

Product datasheet for RC215350

PLAUR (NM_001005377) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLAUR (NM_001005377) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PLAUR
Synonyms:	CD87; U-PAR; UPAR; URKR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC215350 representing NM_001005377 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGTCACCCGCGCTGCTGCCGCTGCTGCTGCTGCCACACCTGCGTCCCAGCCTCTTGGGGCCTGC
 GGTGCATGCAGTGTAAAGACCAACGGGGATTGCCGTGTGGAAGAGTGCGCCCTGGGACAGGACCTCTGCAG
 GACCACGATCGTGCCTTGTGGGAAGAAGGAGAAGAGCTGGAGCTGGTGGAGAAAAGCTGTACCCACTCA
 GAGAAGACCAACAGGACCCTGAGCTATCGGACTGGCTTGAAGATCACCAGCCTTACCGAGTTGTGTGTG
 GGTTAGACTTGTGCAACCAGGGCAACTCTGGCCGGGCTGTACCTATTCCGAAGCCGTTACCTCGAATG
 CATTTCTGTGGCTCATCAGACATGAGCTGTGAGAGGGGCCGGCACCAGAGCCTGCAGTGCCGACGCCCT
 GAAGAACAGTGCCTGGATGTGGTGACCCACTGGATCCAGGAAGGTGAAGAAGTCTGGAGCTTGAAAATC
 TGCCGCAGAATGGCCGCCAGTGTTACAGCTGCAAGGGGAACAGCACCCATGGATGCTCCTCTGAAGAGAC
 TTTCTCATTGACTGCCGAGGCCCATGAATCAATGTCTGGTAGCCACCGGCACTCACGAACCGAAAAAC
 CAAAGCTATATGGTAAGAGGCTGTGCAACCGCCTCAATGTGCCAATGCCCACCTGGGTGACGCCTTCA
 GCATGAACCACATTGATGTCTCTGTGTACTAAAAGTGGCTGTAACCAACAGACCTGGATGTCCAGTA
 CCGCAGTGGGGCTGCTCCTCAGCCTGGCCCTGCCATCTCAGCCTCACCATCACCCTGCTAATGACTGCC
 AGACTGTGGGAGGCACTCTCCTCTGGACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC215350 representing NM_001005377
 Red=Cloning site Green=Tags(s)

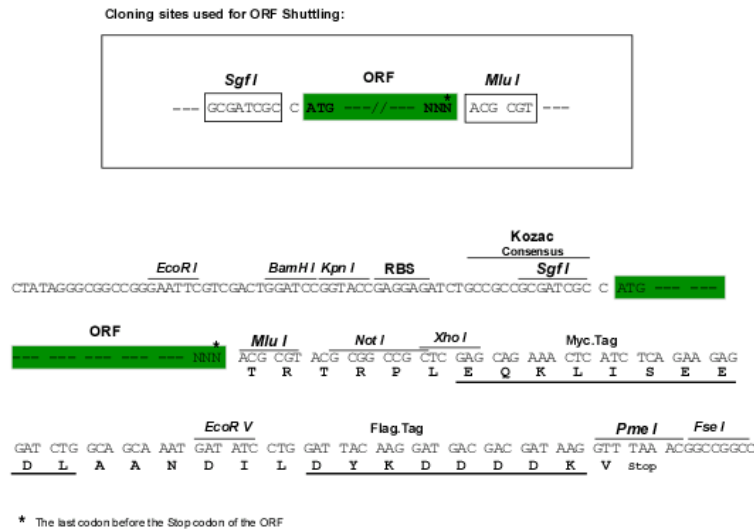
MGHPPLLPLLLLHTCVPASWGLRCMQCKTNGDCRVEECALGQDLCRTTIVRLWEEGEELELVEKSCTHS
 EKTNRTLSYRTGLKITSLTEVVCGLDLCNQGNISGRAVYTSRSLYECISCGSSDMSCERGRHQLQCRSP
 EEQCLDVVTHWIEGEEVLELENLPQNGRQCYSCCKGNSTHGCSSSEETFLIDCRGPMNQCLVATGTHEPKN
 QSYMVRGCATASMCQHAHLGDAFSMNHIDVSCCTKSGCNHPDLVDVQYRSGAAPQPGPAHLSTITLLMTA
 RLWGGTLLWT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8049_g12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001005377

ORF Size: 870 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001005377.3](#)

RefSeq Size: 1413 bp

RefSeq ORF: 873 bp

Locus ID: 5329

UniProt ID: [Q03405](#)

Cytogenetics: 19q13.31

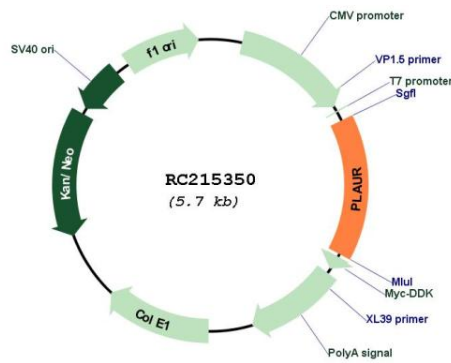
Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Complement and coagulation cascades

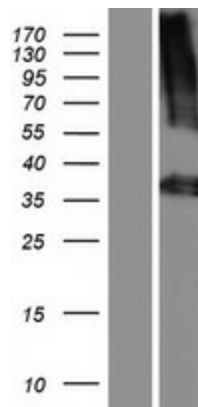
MW: 32.02 kDa

Gene Summary: This gene encodes the receptor for urokinase plasminogen activator and, given its role in localizing and promoting plasmin formation, likely influences many normal and pathological processes related to cell-surface plasminogen activation and localized degradation of the extracellular matrix. It binds both the proprotein and mature forms of urokinase plasminogen activator and permits the activation of the receptor-bound pro-enzyme by plasmin. The protein lacks transmembrane or cytoplasmic domains and may be anchored to the plasma membrane by a glycosyl-phosphatidylinositol (GPI) moiety following cleavage of the nascent polypeptide near its carboxy-terminus. However, a soluble protein is also produced in some cell types. Alternative splicing results in multiple transcript variants encoding different isoforms. The proprotein experiences several post-translational cleavage reactions that have not yet been fully defined. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC215350



Western blot validation of overexpression lysate (Cat# [LY423710]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC215350 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).