

Product datasheet for **SC320142**

GMPR1 (GMPR) (NM_006877) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GMPR1 (GMPR) (NM_006877) Human Untagged Clone
Tag:	Tag Free
Symbol:	GMPR1
Synonyms:	GMPR 1; GMPR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_006877.2
 CCGGCCCACGCCAGCTCCCGGCCGGCACAGCAGCCCCGGCGCTCCCCGCGCCGCCCC
 CGCAGGGCSCCCCGCCCCCGCGTCCGCGCCCGCAGCCAGGAGCCGCTGCACCATGCC
 CGCATAGATGCGGACCTCAAGCTCGACTTCAAGGATGTCCTGCTCCGACCTAAGCGGAGC
 AGCCTCAAGAGCCGAGCCGAGGTGGATCTTGAACGCACCTTACGTTTTCGAAATCAAAG
 CAGACCTACTCAGGGATCCCATCATCGTGGCCAACATGGACACTGTGGGCACGTTTGAG
 ATGGCAGCCGTGATGTCACAGCACTCCATGTTTACAGCAATTCATAAGCATTACTCCCTG
 GATGACTGGAAGCTCTTTGCCACAAATCACCCAGAATGCCTGCAGAATGTAGCCGTGAGT
 TCAGGCAGTGGGCAGAATGATCTGGAAAAGATGACCAGCATCCTGGAAGCTGTGCCACAG
 GTTAAGTTTATTTGCCTGGATGTGGCCAATGGGTATTCAGAACATTTTGTGAATTCGTG
 AAACCTGTCCGTGCCAAATTTCTGAACACACCATTATGGCAGGGAACGTGGTGACAGGA
 GAAATGGTAGAAGAGCTTATTCTTTCCGGAGCAGATATCATCAAAGTGGGAGTTGGACCA
 GTTTCTGTGTGCACCACCCGACCAAGACGGGAGTGGGGTACCCCCAGCTGAGTGCCGTC
 ATTGAGTGTGCCACTCTGCCATGGCCTGAAGGGCCACATCATCTCTGATGGAGGCTGT
 ACGTGTCCAGGGGATGTCGCCAAAGCCTTTGGAGCTGGAGCAGATTTTGTATGCTGGGA
 GGAATGTTTTCGGGTCATACGGAGTGTGCTGGAGAAGTGATTGAGAGGAACGGACGGAAG
 CTCAAGCTCTTACGGGATGAGCTCTGACACCCCATGAACAAGCACGAGGAGGATTT
 GCTGAGTACAGAGCCTCTGAGGGTAAGACTGTGGAAGTTCCTTACAAAGGAGATGTGAA
 AACACTATCCTGGATATTCTCGGGGACTGAGGTCCACGTGCACCTACGTGGGGCCGCGC
 AAACCTCAAGGAGCTCAGCAGGAGGCAACATTCATCCGGGTGACCCAGCAGCACAAACCC
 GTGTTACAGCTAACCTGGGGACAAGCAGCGTCTGGCTCGAGTGAAGCGTCCAAACCTG
 CTTTTCCCATCTCCCCCAAGTCTGTTCCGTCAGAGCTTCTGGCTGCTCCTGAATGGTGG
 AATGCTGTGCTCTCTTCTGTCTCCTGCCGCTGGAGGCTTCGGGGCTCTCCCGCTGC
 CTTGTCCGGGCCCAGACGCAAGGCACCGATTGGGCCAACATCAGAGCCCTGCTGCCCAGA
 ACTCATAACCTCATTGTTCAAACCAACTTGCACCTTTCTTTTTCTTTCTTTCTCTCTC
 CCTTTCTTTGTTTTCTTTCTTTTTAAAAGAAGATGGTTTCACTTTAATAATAATGCTAT
 TATCTTAAGACTTAAAAAAAAAAAAAAAAAAAA



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Restriction Sites:	Please inquire
ACCN:	NM_006877
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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.
RefSeq:	NM_006877.2 , NP_006868.2
RefSeq Size:	1531 bp
RefSeq ORF:	1038 bp
Locus ID:	2766
UniProt ID:	P36959
Cytogenetics:	6p22.3
Domains:	IMPDH
Protein Families:	Druggable Genome
Protein Pathways:	Purine metabolism
Gene Summary:	This gene encodes an enzyme that catalyzes the irreversible and NADPH-dependent reductive deamination of GMP to IMP. The protein also functions in the re-utilization of free intracellular bases and purine nucleosides.[provided by RefSeq, Oct 2009]