

Product datasheet for **RG207266**

KIAA1576 (VAT1L) (NM_020927) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA1576 (VAT1L) (NM_020927) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KIAA1576
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207266 representing NM_020927 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAAGGAAGGCGTGGAGAAGGCGGAGGAGACGGAGCAAATGATCGAGAAGGAGGCAGGCAAGGAGC
CGGCGGAGGGCGGCGGCGGACGGCTCGCACCCGCTCGGGGACGCCAGGAGATGCGCGCGGTGGTGTCT
GGCTGGCTTCGGGGGGCTCAACAAGCTGCGGCTCTTCAGGAAGGCCATGCCCGAGCCTCAGGACGGCGAG
CTCAAGATCCGCGTCAAAGCCTGTGGATTAACCTCATTGACTTGATGGTGGCACAAGGGAATATTGACA
ACCTCCCAAGACTCCCCTGGTCCAGGATTTGAGTGTCTGGGATTGTTGAAGCTCTGGGGACAGCGCT
GAAAGGATATGAGATTGGAGACCGTGTATGGCATTGTCAATTACAATGCCTGGGCAGAGGTGGTCTGC
ACACCAGTGGAGTTTGTCTACAAGATCCCGGATGACATGAGCTTCTCGGAGGCTGCTGCATTCCCCATGA
ACTTCGTACAGCCTATGTGATGCTGTTTGAAGTTGCCAACCTCCGGAAGGGATGTCTGTGCTCGTGCA
CTCAGCTGGTGGGGCGTGGTCAAGCTGTGGCTCAGCTGTGTTCCACTGTCCCCAACGTGACTGTCTTT
GGAACAGCCTCTACTTTCAAGCATGAAGCAATCAAAGACTCTGTGACCCACCTCTTTGACAGAAATGCAG
ACTACGTGCAAGAAGTAAAAGAATCTCTGCTGAAGGTGTGGACATCGTTTTGGATTGCCTCTGTGGGGA
CAACACTGGAAAAGTCTCAGTCTTCTCAAACCCTGGGAACCTACATTTTATATGGCTCATCCAACATG
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TCAAGCTGTATGAGGAGAACAAGTTCATCGCGGGTTTTCCCTTTTAAATCTGCTTTCAAACAAGGCCG
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GTGGACTCCTTGTGGCTCTGGAGGAGGTGAAGGAGGCCATGCAGCGGATTCACGACCGAGGGAACATTG
GCAAGTTAATTCTGGATGTAGAAAAGACCCCACTCCACTGATGGCCAATGACAGCACAGAGACCAAGTGA
AGCAGGGGAAGAGGAGGAGGACACGAGGGAGACGCGAGAACAAGGAGCGGATGCCCTTTATCCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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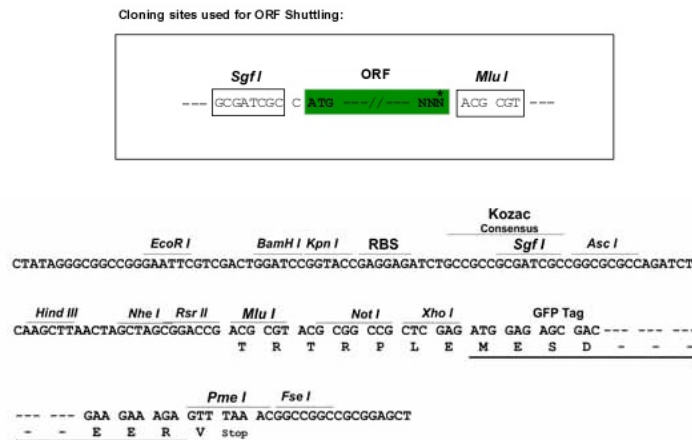
Protein Sequence: >RG207266 representing NM_020927
 Red=Cloning site Green=Tags(s)

MAKEGVEKAEETEQMIEKEAGKEPAEGGGDGSRLGDAQEMRAVVLAGFGGLNKLRLFRKAMPEPQDGE
 LKIRVKACGLNFIDL MVRQGNIDNPPK TPLVPGFEC SGIVEALGDSVKGYEIGDRVMAFVNYNAWAEVVC
 TPVEFVYKIPDDMSFSEAAA FPMNFVTAYVMLFEVANLREGMSVLVHSAGGGVGOAVAQLCSTVPNVTVF
 GTASTFKHEAIKDSVTHLFD RNADYVQEVKRISAEGVDIVLDC LCGDNTGKGLSLLKPLGTYYILYGSSNM
 VTGETKSF SF AKS WQVEK VNP I KLYEENKVIAGF SLLNLLFKQGRAGLIRGVVEKLIGLYNQKKIKPV
 VDSLWALEEVKEAMQRIHDRGNIGKLILDVEKTP TPLMANDSTETSEAG EEEEDHEG DSENKERMPFIQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_020927

ORF Size: 1257 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.

RefSeq: [NM_020927.1](#), [NP_065978.1](#)

RefSeq Size: 3784 bp

RefSeq ORF: 1260 bp

Locus ID: 57687

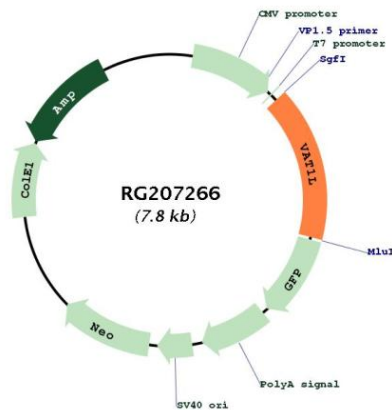
UniProt ID: [Q9HCJ6](#)

Cytogenetics: 16q23.1

Domains: ADH_zinc_N

Protein Families: Druggable Genome

Product images:



Circular map for RG207266