

Product datasheet for **SC306272**

Persephin receptor (GFRA4) (NM_145762) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Persephin receptor (GFRA4) (NM_145762) Human Untagged Clone
Tag:	Tag Free
Symbol:	Persephin receptor
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_145762 edited ATGGTCCGCTGCCTGGGGCCTGCGCTGCTGCTGCTGTTACTGGGGTCGGCGAGCTCG GTCGGAGGGAACCGATGTGTGGACGCGGCCGAAGCCTGCACGGCGGACGCGGGTGCCAG CGTTTGCGCTCCGAGTATGTGGCGAGTGCCTGGGCCGGGCTGCGCAGGGGGGCTGTCCC CGCGCCCGCTGCGCCGGGCCCTGCGCCGCTTCTTCGCCCGCGGGCCGCCCGCGCTCACC CACGCACTGCTCTTCTGCCCCGTGCGCGGGCCCCGCGTGCGCCGAGCGTCGGCGCCAGACC TTCGTGCCCTCCTGCGCCTTTTCGGGGCCCGGCCCGCGCCGCCCTCCTGCCTTGAGCCC TTAAACTTCTGCGAGCGCAGCCGGGTCTGCAGGTGCGCGCGGGCGGGCGGGGGCCGTGG CGAGGGTGGGGACGGGGCCTCTCTCCGGCTCACCGCCCTCCCGCCGCGCAGGCCTCGCCT CCTGGCCTTTTCAGGTCTCGTGACCCCCAGCGCCAGCGCCCCGACGGCTGCCTGCTGGA CCAGGGCGCCCGCTGCCGCGCCTACGCGGGCCTCGTGGGGTCCCCGACGGCACCGCC GTCACCCCTAACTACGTGGACAACGTGAGCGCGCGCGTGGCGCCCTGGTGCAGTGCAGGA GCCAGCGGAACCGCGTGAGGACTGCGAAGCCTTCCGGGGCTCTTACCAGGAACCGC TGCTTGATGGTGCCATTAGGCCTTTGCCAGCGGGTGGCCCCAGTCTGCTGGACAG CTGAACCCCGAGGAGACCGGAGCACAGCCTCCTGCAGGTGTCTCCACAGGCAGGGCC CTGGAGAGACGCTCCCTGCTCTCATACTTCTGTCTGGCTCTCCCGGCCCTGCTCTGA

Restriction Sites: Please inquire

ACCN: NM_145762

Insert Size: 900 bp

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).



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OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:	<u>NM_145762.1, NP_665705.1</u>
RefSeq Size:	1517 bp
RefSeq ORF:	900 bp
Locus ID:	64096
UniProt ID:	<u>Q9GZZ7</u>
Cytogenetics:	20p13
Protein Families:	Druggable Genome
Gene Summary:	<p>The protein encoded by this gene is a member of the GDNF receptor family. It is a glycosylphosphatidylinositol(GPI)-linked cell surface receptor for persephin, and mediates activation of the RET tyrosine kinase receptor. This gene is a candidate gene for RET-associated diseases. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) includes additional segments in the coding region compared to variant 1, that cause internal frameshift. The resulting isoform (b) contains additional aa in the middle of the protein, but has the same N- and C-terminal ends as isoform a.</p>