

Product datasheet for **MC226641**

Gfra4 (NM_001271001) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gfra4 (NM_001271001) Mouse Untagged Clone
Tag: Tag Free
Symbol: Gfra4
Synonyms: AW060733; G630015H18Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226641 representing NM_001271001
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCCACTGCATGGAGTCTGCACTGCTGCTGTTGTTGCTGCTGGGGTCTGCGAGCTTTACCGACGGGA
ATCGTGGCTGGACGCGCCGAGGCGTGTACAGCAGACGAGCGGTGCCAGCAGCTGCGCTCTGAGTACGT
GGCAGCATGCCTGGCCCGGCAGCGCCCGGGGCAGGCCGGGACCCGGGGCTGCGTGCCTCCCGCTGC
CGCCGAGCCCTGCGCCGCTTCTTCGCGCGTGGGCCTCCGGCGCTCACGCATGCGCTGCTCTCTGCGGT
GCGAAGGCTCCGCGTGCGCCGAGCGCCGCGCCAGACTTTCGCGCCCGCCTGCGCGTTCTCCGGCCCGGG
GTTGGTCCCGCCCTTTCCTGGAGCCCTGGAGCGCTGCGAGCGCAGCCGCTGTGCCGGCCCCGTCTC
CTTGCCTTCCAGGCTCATGCGCTCCCGCGCCCGGCTCCCGCGACCGCTGCCCGGAGGAGGGGGCCCGC
GTTGTCTGCGCGTCTACGCAGGCCTCATAGGCACCGTGGTCAACCCCAACTACCTGGACAACGTGAGCGC
GCGCGTTGCGCCCTGGTGGCGTGTGCGGCCAGTGAAACCGCGCGAAGAATGCGAAGCCTTCCGCAAG
CTCTTTACAAGGAACCCCTGCTTGGATGGTGCCATACAAGCCTTTGACAGCTTGACGCCATCAGTTCTGC
AGGACCAGACTGCTGGTGCTGTTTCCCGCGGGTGCTCGGCTGTATGCACTCACTGCCCTGGCTCTCCA
GGCCCTGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001271001
Insert Size: 783 bp



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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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001271001.1, NP_001257930.1</u>
RefSeq Size:	1363 bp
RefSeq ORF:	783 bp
Locus ID:	14588
UniProt ID:	<u>Q9JIT2</u>
Cytogenetics:	2 63.26 cM
Gene Summary:	<p>This gene encodes a transmembrane protein that functions as the receptor for persephin, a member of the glial cell line derived neurotrophic factors. The encoded protein undergoes proteolytic processing to generate a glycosylphosphatidylinositol-anchored cell surface coreceptor that forms a complex with the receptor tyrosine kinase Ret. A complete lack of the encoded protein impairs production of thyroid calcitonin and increases the rate of bone formation in young mice. [provided by RefSeq, Jul 2016]</p> <p>Transcript Variant: This variant (3) has an alternate first coding exon and uses an alternate splice junction at the 5' end of the last exon compared to variant 2. The resulting isoform (3) has shorter and distinct N- and C-termini compared to isoform 2.</p>