

Product datasheet for **SC323798**

G protein beta 4 (GNB4) (NM_021629) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	G protein beta 4 (GNB4) (NM_021629) Human Untagged Clone
Tag:	Tag Free
Symbol:	G protein beta 4
Synonyms:	CMTD1F
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_021629.3
 AGCGGACACCGGCAGCGCGGGTCGACGCGGGCCTGAGCTCCCTCCAGCTGTTTTCACTC
 ATTAGCTCCTGAGGTAACAAAATTGAAAAATGAGCGAACTGGAACAGTTGAGGCAAGAA
 GCAGAACAACCTGCGGAATCAGATTCAGGATGCTCGGAAAGCATGTAATGATGCAACGCTT
 GTTCAGATTACATCAAATATGGACTCCGTGGGTGGAATACAAATGCGAACAAGACGTACA
 CTGAGGGGCCACCTAGCTAAAATCTATGCTATGCATTGGGGATACGATTCCAGGCTGCTA
 GTCAGTGCTTCTCAAGATGGAATAATTATTTGGGATAGCTATACAACAAATAAGATG
 CATGCTATTCCTTTGAGGTCCTCTGGGTGATGACCTGTGCTTATGCTCCCTCTGGTAAT
 TATGTTGCCTGTGGAGGCTTGGACAACATCTGCTCTATATAACTTAAAGACCAGAGAG
 GGAATGTGAGAGTAAGCCGAGAGTTGCCAGGTCACACAGGTAAGTGTCTGCTGTCGT
 TTTTGTAGATGACAGCAAATTGTTACAAGTTCCAGGAGATACAAGTGTGCTTTATGGGAC
 ATCGAAACTGCCAGCAGACCACCACTCACTGGGCATTCTGGAGATGTGATGAGTCTT
 TCTTTGAGTCCTGACATGAGGACTTTTGTCTTCTGGTGCTTGTGATGCCTCTTCCAAATTA
 TGGGATATTCGAGATGGAATGTGTAGACAGTCTTTCACGGGACATGTCTCAGATATCAAT
 GCTGTGAGTTTTTCCCAAATGGATATGCCTTCGCCACTGGCTCTGATGATGCCACTTGC
 CGGCTCTTTGACCTTCGTGCAGATCAAGAGTATTATTGTATTCTCATGACAATATCATC
 TGTGGAATCACTTCTGTAGCCTTCTCAAAAAGTGGGCGTCTCTTGTGGCTGGTTACGAT
 GACTTTAATTGTAATGTATGGGACACGCTAAAAGGAGATCGTGCAGGTGTCTTTGCTGGT
 CATGACAACCGTGTGAGCTGCTTAGGTGTAAGTGAAGTGCATGGCATGGCTGTGGCAACAGGC
 TCTTGGGACAGTTTTTCTTGAATCTGGAATTAACAGTGTATACATATTTGTTCTCCATT
 GATATATCTGGAGAAATCAATGCTACAGCCTATAGCTGTGAAAAAATTCTACCTATATT
 TGCAGGTGAAGATTTTTCTATTAGATTATCTACAAAAACAAGCTTTCAGTAAACTACCAA
 AAAAAAAAAAAAAA

Restriction Sites:	ECoRI-NOT
ACCN:	NM_021629



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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:	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:	<u>NM_021629.3, NP_067642.1</u>
RefSeq Size:	6428 bp
RefSeq ORF:	1023 bp
Locus ID:	59345
UniProt ID:	<u>Q9HAV0</u>
Cytogenetics:	3q26.33
Domains:	WD40
Protein Families:	Druggable Genome
Protein Pathways:	Chemokine signaling pathway
Gene Summary:	Heterotrimeric guanine nucleotide-binding proteins (G proteins), which integrate signals between receptors and effector proteins, are composed of an alpha, a beta, and a gamma subunit. These subunits are encoded by families of related genes. This gene encodes a beta subunit. Beta subunits are important regulators of alpha subunits, as well as of certain signal transduction receptors and effectors. [provided by RefSeq, Jul 2008]