

## Product datasheet for **SC335464**

### GNB1 (NM\_001282539) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GNB1 (NM_001282539) Human Untagged Clone
Tag:	Tag Free
Symbol:	GNB1
Synonyms:	MDS; MRD42
Vector:	pCMV6-Entry (PS100001)
Restriction Sites:	Sgfl-MluI
ACCN:	NM_001282539
Insert Size:	1023 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).
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"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
RefSeq:	<a href="#">NM_001282539.1</a>
RefSeq Size:	3151 bp
RefSeq ORF:	1023 bp
Locus ID:	2782
UniProt ID:	<a href="#">P62873</a>
Cytogenetics:	1p36.33



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**Protein Pathways:** Chemokine signaling pathway, Taste transduction

**MW:** 37.4 kDa

**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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]  
Transcript Variant: This variant (2) differs in the 5' UTR. Both variants 1 and 2 encode the same isoform (1).