

## Product datasheet for **SC108015**

### GNPTG (NM\_032520) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GNPTG (NM_032520) Human Untagged Clone
Tag:	Tag Free
Symbol:	GNPTG
Synonyms:	C16orf27; GNPTAG; LP2537; RJD9
Mammalian Cell Selection:	None
Vector:	<a href="#">pCMV6-XL5</a>
E. coli Selection:	Ampicillin (100 ug/mL)
Restriction Sites:	NotI-NotI
ACCN:	NM_032520
Insert Size:	918 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_032520.3</a> , <a href="#">NP_115909.1</a>
RefSeq Size:	1228 bp
RefSeq ORF:	918 bp



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Locus ID: 84572

UniProt ID: [Q9UJJ9](#)

Cytogenetics: 16p13.3

Protein Families: Secreted Protein

**Gene Summary:** This gene encodes the gamma subunit of the N-acetylglucosamine-1-phosphotransferase complex. This hexameric complex, composed of alpha, beta and gamma subunits, catalyzes the first step in synthesis of a mannose 6-phosphate lysosomal recognition marker. This enzyme complex is necessary for targeting of lysosomal hydrolases to the lysosome. Mutations in the gene encoding the gamma subunit have been associated with mucopolipidosis IIIC, also known as mucopolipidosis III gamma.[provided by RefSeq, Feb 2010]