

Product datasheet for **SC336311**

GBA3 (NM_001277225) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GBA3 (NM_001277225) Human Untagged Clone
Tag:	Tag Free
Symbol:	GBA3
Synonyms:	CBG; CBGL1; GLUC; KLRP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC336311 representing NM_001277225.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

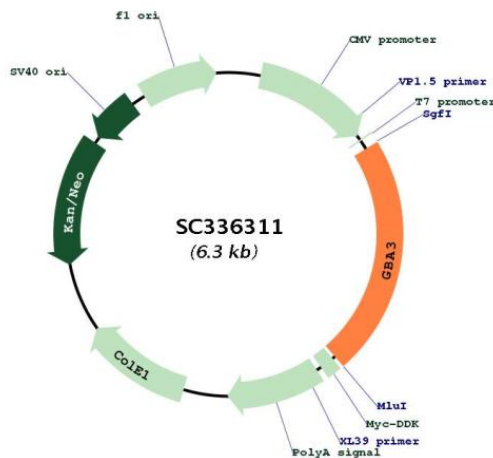
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Restriction Sites:

SgfI-MluI

Plasmid Map:



ACCN: NM_001277225

Insert Size: 1413 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">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:	NM_001277225.1
RefSeq Size:	2091 bp
RefSeq ORF:	1413 bp
Locus ID:	57733
UniProt ID:	Q9H227
Cytogenetics:	4p15.2
Protein Pathways:	Cyanoamino acid metabolism, Starch and sucrose metabolism
MW:	54.1 kDa
Gene Summary:	<p>The protein encoded by this gene is an enzyme that can hydrolyze several types of glycosides. This gene is a polymorphic pseudogene, with the most common allele being the functional allele that encodes the full-length protein. Some individuals, as represented by the reference genome allele, contain a single nucleotide polymorphism that results in a premature stop codon in the coding region, and therefore this allele is pseudogenic due to the failure to produce a functional full-length protein. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Mar 2013]</p> <p>Transcript Variant: This variant (3, coding) contains an alternate 5' exon and it thus differs in the 5' UTR and 5' coding region, compared to variant 1. The encoded isoform (c) has a distinct N-terminus and is longer than isoform a. This variant is produced from the more frequently occurring functional allele of this gene.</p>