

Product datasheet for **RG204152**

GBE1 (NM_000158) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GBE1 (NM_000158) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GBE1
Synonyms:	APBD; GBE; GSD4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG204152 representing NM_000158
 Red=Cloning site Blue=ORF Green=Tags(s)

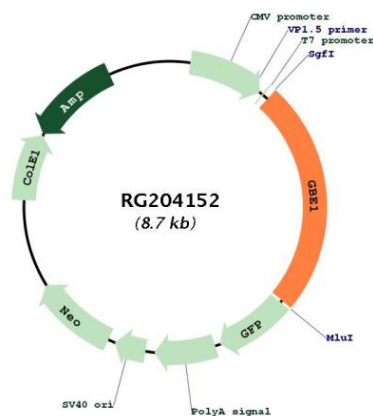
TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

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 ACGTGCCCGAACTGGCCAGACTCCTGGAGATCGACCCGTAATTGAAGCCCTACGCCGTGGACTTCCAGCG
 CAGGTATAAGCAGTTTAGCCAAATTTGAAGAACATTGGAGAAAATGAAGTGGTATTGATAAGTTTTCC
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 GAGCAGAAGGAGTTTTTCTACTGGAGATTTAATGGTTGGAATCCATTTTCGTACCCATACAAAAA
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 TTCAGCTACTTAAAGAGTTTAAAGATGAAGACTGGAACATGGGCGATATAGTATACACGCTCACAAACAG
 GCGCTACCTTAAAAAGTGCATTGCTTATGCAGAGAGCCATGATCAGGCATTGGTTGGGATAAGTCGCTG
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 AAGAGCTACACTGACTACCGAGTTGGAACAGCATTGCCAGGAAATTCAAAATTGTGCTAGATTCAGATG
 CAGCGGAATATGGAGGCATCAGAGACTGGACCACAGCACTGACTTTTTTCTGAGGCTTTTGAACATAA
 TGGGCGTCCCTATTCTCTTTTGGTGTACATTCCAAGCAGAGTGGCCCTCATCCTTCAGAATGTGGATCTG
 CCGAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

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_000158.2 , NP_000149.2
RefSeq Size:	3099 bp
RefSeq ORF:	2109 bp
Locus ID:	2632
UniProt ID:	Q04446
Cytogenetics:	3p12.2
Domains:	isoamylase_N, alpha-amylase, Amy
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Starch and sucrose metabolism
Gene Summary:	The protein encoded by this gene is a glycogen branching enzyme that catalyzes the transfer of alpha-1,4-linked glucosyl units from the outer end of a glycogen chain to an alpha-1,6 position on the same or a neighboring glycogen chain. Branching of the chains is essential to increase the solubility of the glycogen molecule and, consequently, in reducing the osmotic pressure within cells. Highest level of this enzyme are found in liver and muscle. Mutations in this gene are associated with glycogen storage disease IV (also known as Andersen's disease). [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG204152