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Product datasheet for SC209310

GBE1 (NM_000158) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Product Name: GBE1 (NM_000158) Human 3' UTR Clone

Vector: pMirTarget (PS100062)

Symbol: GBE1

Synonyms: APBD; GBE; GSD4

ACCN: NM_000158

Insert Size: 734 bp

Insert Sequence:

>SC209310 3'UTR clone of NM_000158
The sequence shown below is from the reference sequence of NM_000158. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ATCCTTCAGAATGTGGATCTGCCGAATTGAAGAGGCCTGATTTCAGCTCCACCAGATGCAGATTTGTGT
TTTGTTTTCTTGTTATCACTGTCACACAGCTTATAACATGTATGCTTTTCAGAATACAGTTGTCTAGCC
AAGCCATCAAGTGTCTGAAATTCAATATTGGTTTATGCAAATACAGCAAACTTTTATTTAAGTAGATGG
GAGAATATGTTTAAAATATTAGGAATCCTAGACCATATTTTCAAGTCATCTTAGCAGCTAGGATTCTCA
AATGGAAGTGTTATATATAATATGTTAAAAACATTTTGCTTTCCTGGCTAATTATTTGATCCTTTTAAA
TTCAAATTTGAATCATTTGTCATGTATGATTATTTCTGTTAAATGTACACAGTATTTAAGATGGATATT
TGGTGGCTCTATTTGTTCTGATATCTTTTGGTCTAAATTATGAGGTACCAAGATTGTTTCTTTGTTTCT
TTTTTTCAAATTGTGTTTAGAAATACTGTAATAAATATGCAGTAGTGATATAAAGAATTATATCCAAGG
TAATATAAAAGCCATTACGTATGAACTCATCCGTGTCTCATTTTGTGTTTTATTTTGTGATCTCTTGTC
CACTAAGTATCTTGTTAAATGCCAGTATCTCAGTCTTTCTGAAGCCCTGAAATGGTAATTGTAGCATTT
CAGAAAATGTCTTTCATTTCAATCAATAAAAAGCTTTTGTAAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

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Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_000158.4
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]
Locus ID:	2632
MW:	28.6