

GBE1 mouse monoclonal antibody (hybridoma)

Catalog # H00002632-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant GBE1.
Immunogen	GBE1 (AAH12098.1, 1 a.a. ~ 702 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAAPMTPAARPEDYEAALNAALADVPELARLLEIDPYLKPYAVDFQRRYKQFSQILKNIGENEGGI DKFSRGYESFGVHRCADGGLYCKEWAPGAEGVFLTGDFNGWNPFSYPYKKLDYGKWELYIPPK QNKSVLVPHGSKLKVVITSKSGEILYRISPWAKYVVREGDNVNYDWIHWDPESHSEYEFKHSRPPKP RSLRIYESHVGISSHEGKVASYKHFTCNVLPRIKGLGYNCIQLMAIMEHAYYASFGYQITSFFAASSR YGSPEELQELVDTAHSMSGIVLLDVVHSHASKNSADGLNMFDTGTDSCYFHSGPRGTHDLWDSRL FAYSSWEVLRFLLSNIRWWLEEYRFDGFRFDGVTSMLYHHHGVGGQFSGDYSEYFGLQVDEDAL TYLMLANHLVHTLCPDSITIAEDVSGMPALCSPISQGGGGFDYRLAMAIPDKWIQLLKEFKDEDWN MGDIVYTLTNRRLYLEKCIAYAESHQALVGDKSLAFWLMDAEMYTNMSVLTPTPTVIDRGIQLHKMI RLITHGLGGEGYLNFMGNEFGHPEWLDGFPRKGNNESYHYARRQFHLTDDDLLRYKFLNNFDRDM NRLEERYGWLAAPQAYVSEKHEGNKIAFERAGLLIFNHFPSKSYTDYRVGTALPGKFKMLDSDA AEYGGHQRLDHSTDFSEAFEHNGRPYSLLVYPSRVALILQNVDLPN
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (92); Rat (92)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — GBE1

Entrez GeneID [2632](#)

GeneBank Accession# [BC012098.1](#)

Protein Accession# [AAH12098.1](#)

Gene Name GBE1

Gene Alias GBE

Gene Description glucan (1,4-alpha-), branching enzyme 1

Omim ID [232500 607839](#)

Gene Ontology [Hyperlink](#)

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]

Other Designations amylo-(1,4 to 1,6) transglucosidase|amylo-(1,4 to 1,6) transglycosylase|glycogen branching enzyme|glycogen storage disease type IV

Pathway

- [Metabolic pathways](#)
- [Starch and sucrose metabolism](#)

Disease

- [Asthma](#)

- [Cardiovascular Diseases](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Metabolic Diseases](#)
- [Metabolic Syndrome X](#)
- [Obesity](#)
- [Tobacco Use Disorder](#)