

Product Datasheet

Recombinant Human 1,4-alpha-glucan-branching enzyme (GLGB) (orb3005071)

Catalog Number	orb3005071
Category	Proteins
Description	This Recombinant Human 1,4-alpha-glucan-branching enzyme (GLGB) spans the amino acid sequence from region 2-702. Purity: Greater than 85% as determined by SDS-PAGE.
Form/Appearance	Liquid or Lyophilized powder
Buffer/Preservatives	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 20%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Purity	Greater than 85% as determined by SDS-PAGE.

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Protein Sequence	AAPMTPAARPEDYEALNAALADVPELARLLEIDPYLKPYAVDFQRRYKQFSQILKNIGENEG GIDKFSRGYESFGVHRCADGGLYCKEWAPGAEGVFLTGDFNGWNPFSYPYKLDYGKWEL YIPPKQNKSVLVPHGSKLKVVITSKSGEILYRISPWAKYVREGDNVNYDWIHWDPESYEF KHSRPPKPRSLRIYESHVGISSHEGKVASYKHFTCNVLPRIKGLGYNCIQLMAIMEHAYYASF GYQITSFFAASSRYGTPEELQELVDTAHSMGIIVLLDVVHSHASKNSADGLNMFDTGTDSCYF HSGPRGTHDLWDSRLFAYSSWEILRFLLSNIRWWLEEYRFDGFRFDGVTSMLYHHHGVGQ GFSGDYSEYFGLQVDEDALTYLMLANHLVHTLCPDSITIAEDVSGMPALCSPISQGGGGFDY RLAMAIPDKWIQLLKEFKDEDWNMGDIVYTLNRRYLEKCIAYAESHQALVGDKSLAFWL MDAEMYTNMSVLTPTVIDRGIQLHKMIRLITHGLGGEGYLNFMGNEFGHPEWLDFFPRKG NNESYHYARRQFHLDLDDLLRYKFLNDFDRDMNRLEERYGWLAAPQAYVSEKHEGNKIIAF ERAGLLFIFNFHPSKSYTDYRVGTALPGFKIVLDSAAEYGGHQRLDHDSTDFSEAFEHNG RPYSLLVYIPSRVALILQNVDLPN
Protein Length	701
UniProt ID	Q04446
Expression System	Yeast
Endotoxins	Not test
Biological Origin	Homo sapiens (Human)
Expression Region	2-702
Storage	Storage: The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. Notes: Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week
Note	For research use only
Expiration Date	6 months from date of receipt.

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