



# Recombinant Human 1,4-alpha-glucan-branching enzyme (GBE1)

<b>Product Code</b>	CSB-EP2978HU
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q04446
<b>Form</b>	Liquid or Lyophilized powder
<b>Storage Buffer</b>	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	AAPMTPAARPEDYEAALNAALADVPELARLLEIDPYLKPYAVDFQRRYKQFSQI LKNIGENEGGIDKFSRGYESFGVHRCADGGLYCKEWAPGAEGVFLTGFNG WNPFSYPYKKLDYGWELYPKQNKSVLPHGSKLKVVITSKSGEILYRISPW AKYVVREGDNVNYDWIHWDPESHYEFKHSRPPKPRSLRIYESHVGISSHEGK VASYKHFTCNVLPRIKGLGYNCIQLMAIMEHAYYASFGYQITSFFAASSRYGTP EELQELVDTAHSMGIIIVLLDVVHSHASKNSADGLNMFDTDSCYFHSGPRGTH DLWDSRLFAYSSWEILRFLLSNIRWWLEEYRFDGFRFDGVTSMLYHHHGVGQ GFSGDYSEYFGLQVDEDALTYLMLANHLVHTLCPDSITIAEDVSGMPALCSPIS QGGGGFDYRLAMAIPDKWIQLLKEFKDEDWNMGDIVYTLNRRYLEKCIAYAE SHDQALVGDKSLAFWLMDAEMYTNMSVLTPTFPVIDRGIQLHKMIRLITHGLG GEGYLNFMGNEFGHPEWLDLDFPRKGNNEHYARRQFHLDLDDLLRYKFLNN FDRDMNRLEERYGWLAAPQAYVSEKHEGNKIIAFERAGLLFIFNFHPSKSYTD YRVGTALPGKFKIVLDSAAEYGGHQRLDHSTDFSEAFEHNGRPYSLLVYIP SRVALILQNVDLPN
<b>Source</b>	E.coli
<b>Target Names</b>	GBE1
<b>Expression Region</b>	2-702
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Reconstitution</b>	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.

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