Recombinant Human Trehalase (TREH)

Product Code	CSB-EP024402HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O43280
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	LPPPCES EIYCHGELLN QVQMAKLYQD DKQFVDMPLS IAPEQVLQTF TELSRDHNHS IPREQLQAFV HEHFQAKGQE LQPWTPADWK DSPQFLQKIS DAKLRAWAGQ LHQLWKKLGK KMKPEVLSHP ERFSLIYSEH PFIVPGGRFV EFYYWDSYWV MEGLLLSEMA ETVKGMLQNF LDLVKTYGHV PNGGRVYYLQ RSQPPLLTLM MDCYLTHTND TAFLQENIET LALELDFWTK NRTVSVSLEG KNYLLNRYYV PYGGPRPESY SKDVELADTL PEGDREALWA ELKAGAESGW DFSSRWLIGG PNPNSLSGIR TSKLVPVDLN AFLCQAEELM SNFYSRLGND SQATKYRILR SQRLAALNTV LWDEQTGAWF DYDLEKKKKN REFYPSNLTP LWAGCFSDPG VADKALKYLE DNRILTYQYG IPTSLQKTGQ QWDFPNAWAP LQDLVIRGLA KAPLRRAQEV AFQLAQNWIR TNFDVYSQKS AMYEKYDVSN GGQPGGGGEY EVQEGFGWTN GVVLMLLDRY GDRLTS
Source	E.coli
Target Names	TREH
Protein Names	Recommended name: Trehalase EC= 3.2.1.28 Alternative name(s): Alpha,alpha-trehalase Alpha,alpha-trehalose glucohydrolase
Expression Region	24-556
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This gene encodes an enzyme that hydrolyses trehalose, a disaccharide formed from two glucose molecules found mainly in fungi, plants, and insects. A partial duplication of this gene is located adjacent to this locus on chromosome 11.
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.
Shelf Life	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.