



Recombinant Human Protein-glutamine gamma-glutamyltransferase E (TGM3)

Product Code	CSB-YP600462HU
Abbreviation	TGM3
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.
Uniprot No.	Q08188
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	AALGVQSIN WQTAFNRQAH HTDKFSSQEL ILRRGQNFQV LMIMNKGLGS NERLEFIVST GPYPSESAMT KAVFPLSNGS SGGWSAVLQA SNGNTLTISI SSPASAPIGR YTMALQIFSQ GGISSVKLGT FILLFNPWLN VDSVFMGNHA EREEYVQEDA GIIFVGSTNR IGMIGWNFGQ FEEDILSICL SILDRSLNFR RDAATDVASR NDPKYVGRVL SAMINSNDDN GVLGNWSGT YTGGRDPRSW NGSVEILKNW KKSGFSPVRY GQCWVFAGTL NTALRSLGIP SRVITNFNSA HDTDRNLSVD VYYDPMGNPL DKGSDSVWNF HVVNEGWFVR SDLGPSYGGW QVLATPQER SQGVFQCGPA SVIGVREGDV QLNFDMPFIF AEVNADRITW LYDNTTGKQW KNSVNSHTIG RYISTKAVGS NARMDVTDKY KYPEGSDQER QVFQKALGKL KPNTPFA
Source	Yeast
Target Names	TGM3
Protein Names	Recommended name: Protein-glutamine gamma-glutamyltransferase E EC=2.3.2.13 Alternative name(s): Transglutaminase E Short name= TG(E) Short name= TGE Short name= TGase E Transglutaminase-3 Short name= TGase-
Expression Region	2-467
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	Transglutaminases are enzymes that catalyze the crosslinking of proteins by epsilon-gamma glutamyl lysine isopeptide bonds. While the primary structure of transglutaminases is not conserved, they all have the same amino acid sequence at their active sites and their activity is calcium-dependent. This protein consists of two polypeptide chains activated from a single precursor protein by proteolysis. The encoded protein is involved the later stages of cell envelope formation in the epidermis and hair follicle.



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.