



# Recombinant Human Protein-glutamine gamma-glutamyltransferase 4 (TGM4)

<b>Product Code</b>	CSB-YP023464HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P49221
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>MMDASKELQVLHIDFLNQDNAVSHHTWEFQTSSPVFRRGQVFHLRLVLNQPL            QSYHQLKL            EFSTGPNPSIAKHTLVVLDPRTPSDHYNWQATLQNESGKEVTVAVTSSPNAIL            GKYQLNV            KTGNIHILKSEENILYLLFNPWCKEDMVFPDEDERKEYILNDTGCHYVGAARSI            KCKPWN            FGQFEKNVLDCCISLLTESSLKPTDRRDPVLVCRAMCAMMSFEKGQGV LIGN            WTGDYEGG            TAPYKWTGSAPILQQYYNTKQAVCFGQCWVFAGILTTVLRALGIPARSVTGFD            SAHETER            NLTVDTYVNEENGEKITSMTHDSVWNFHVWTDAWMKRPDLPGYDYGWQAVD            ATPQERSQGV            FCCGPSPLTAIRKGDIFIVYDTRFVFSEVNGDRLIWLVKMVNGQEELHVISMET            TSIGKN            ISTKAVGQDRRRDITYEYKYPEGSSEERQVMDHAFLLLSSEREHRRPVKENFL            HMSVQSD            DVLLGNSVNFTVILKRKTAALQNVNIIILGSFELQLYTGKKMAKLCDLNKTSQIQG            QVSEVT            LTLDSKTYINSLAILDDEPVIRGFIIAEIVESKEIMASEVFTSFQYPEFSIELPNTGR            IG            QLLVCNCIFKNTLAIPLTDVKFSLESLSLQTS DHGTVQPGETIQSQIKCTPIK            TGPK KFIVKLSSKQVKEINAQKIVLITK</p>
<b>Source</b>	Yeast
<b>Target Names</b>	TGM4
<b>Protein Names</b>	Recommended name: Protein-glutamine gamma-glutamyltransferase 4 EC= 2.3.2.13 Alternative name(s): Fibrinolytic Prostate transglutaminase Prostate-specific transglutaminase Transglutaminase P Short name= TG(P) Short n
<b>Expression Region</b>	1-684
<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 protein



---

**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.