Recombinant Human Lysosomal protective protein (CTSA)

Product Code	CSB-EP006184HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P10619
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	AP DQDEIQRLPG LAKQPSFRQY SGYLKGSGSK HLHYWFVESQ KDPENSPVVL WLNGGPGCSS LDGLLTEHGP FLVQPDGVTL EYNPYSWNLI ANVLYLESPA GVGFSYSDDK FYATNDTEVA QSNFEALQDF FRLFPEYKNN KLFLTGESYA GIYIPTLAVL VMQDPSMNLQ GLAVGNGLSS YEQNDNSLVY FAYYHGLLGN RLWSSLQTHC CSQNKCNFYD NKDLECVTNL QEVARIVGNS GLNIYNLYAP CAGGVPSHFR YEKDTVVVQD LGNIFTRLPL KRMWHQALLR SGDKVRMDPP CTNTTAASTY LNNPYVRKAL NIPEQLPQWD MCNFLVNLQY RRLYRSMNSQ YLKLLSSQKY QILLYNGDVD MACNFMGDEW FVDSLNQKME VQRRPWLVKY GDSGEQIAGF VKEFSHIAFL TIKGAGHMVP TDKPLAAFTM FSRFLNKQPY
Source	E.coli
Target Names	CTSA
Protein Names	Recommended name: Lysosomal protective protein EC= 3.4.16.5 Alternative name(s): Carboxypeptidase C Carboxypeptidase L Cathepsin A Protective protein cathepsin A Short name= PPCA Protective protein for beta-galactosid
Expression Region	29-480
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 a glycoprotein which associates with lysosomal enzymes beta-galactosidase and neuraminidase to form a complex of high molecular weight multimers. The formation of this complex provides a protective role for stability and activity. Deficiencies in this gene are linked to multiple forms of galactosialidosis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
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.