Recombinant Human 26S protease regulatory subunit 10B (PSMC6)

Product Code	CSB-EP018896HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P62333
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MADPRDKALQ DYRKKLLEHK EIDGRLKELR EQLKELTKQY EKSENDLKAL QSVGQIVGEV LKQLTEEKFI VKATNGPRYV VGCRRQLDKS KLKPGTRVAL DMTTLTIMRY LPREVDPLVY NMSHEDPGNV SYSEIGGLSE QIRELREVIE LPLTNPELFQ RVGIIPPKGC LLYGPPGTGK TLLARAVASQ LDCNFLKVVS SSIVDKYIGE SARLIREMFN YARDHQPCII FMDEIDAIGG RRFSEGTSAD REIQRTLMEL LNQMDGFDTL HRVKMIMATN RPDTLDPALL RPGRLDRKIH IDLPNEQARL DILKIHAGPI TKHGEIDYEA IVKLSDGFNG ADLRNVCTEA GMFAIRADHD FVVQEDFMKA VRKVADSKKL ESKLDYKPV
Source	E.coli
Target Names	PSMC6
Protein Names	Recommended name: 26S protease regulatory subunit 10B Alternative name(s): 26S proteasome AAA-ATPase subunit RPT4 Proteasome 26S subunit ATPase 6 Proteasome subunit p42
Expression Region	1-389
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 protein
Target Details	The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes one of the ATPase subunits, a member of the triple-A family of ATPases which have a chaperone-like activity. Pseudogenes have been identified on chromosomes 8 and 12.

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.