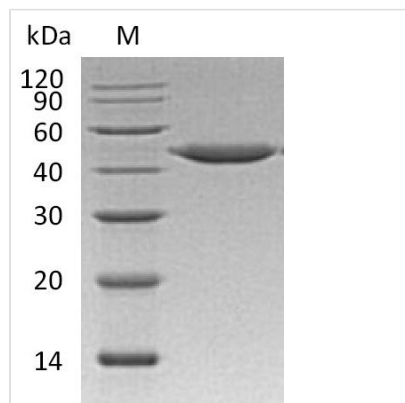




Recombinant Human Cathepsin E (CTSE) (Active)

Product Code	CSB-AP005661HU
Uniprot No.	P14091
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 μ m Filtered 20 mM MES, 150 mM NaCl, pH 5.5
Product Type	Other
Immunogen Species	Homo sapiens (Human)
Biological Activity	Specific activity as determined by its ability to cleave the fluorogenic peptide substrate, Mca-PLGL-Dpa-AR-NH ₂ is greater than 1500 pmol/min/ug
Purity	\geq 95% as determined by SDS-PAGE.
Sequence	SLHRVPLRRHPSLKKKLRARSQLSEFWKSHNLDMIQFTESCSMDQSAKEPLIN YLDMEYFGTISIGSPPQNFTVIFDTGSSNLWVPSVYCTSPACKTHSRFQPSQS STYSQPGQSFSIQYGTGSLSGIIGADQVSVEGLTVVGQQFGESVTEPGQTFVD AEFDGILGLGYPSLAVGGVTPVFDNMMAQNLVDLPMFSVYMSSNPEGGAGSE LIFGGYDHSHFSGSLNWVPVTKQAYWQIALDNIQVGGTVMFCSEGCQAIVDTG TSLITGPSDKIKQLQNAIGAAPVDGEYAVECANLNVMPDVTFTINGVPPYTLSP YTLDFVDGMQFCSSGFQGLDIHPPAGPLWILGDVFIHQFYSVFDNRGNRVGL APAVP
Research Area	Cancer
Source	Mammalian cell
Target Names	CTSE
Expression Region	20-396aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal 6xHis-tagged
Mol. Weight	41.78 kDa
Protein Length	Full Length of Mature Protein

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Endotoxin

Less than 1.0 EU/ μ g as determined by LAL method.

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.