

Recombinant Human Cathepsin B/CTSB Protein (His Tag)

Catalog No. PKSH032179

Note: Centrifuge before opening to ensure complete recovery of vial contents.

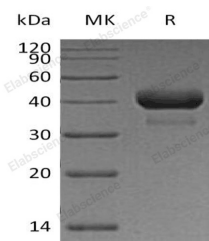
Description

Synonyms	Cathepsin B;APP Secretase;APPS;Cathepsin B1;CTSB;CPSB
Species	Human
Expression Host	HEK293 Cells
Sequence	Arg18-Ile339
Accession	AAH10240.1
Calculated Molecular Weight	36.9 kDa
Observed molecular weight	34&38-50 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
Formulation	Supplied as a 0.2 µm filtered solution of PBS, 8% Sucrose, 0.05% Tween 80, pH7.4.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Cathepsin B is an enzymatic protein belonging to the peptidase (or protease) families. The protein encoded by this gene is a lysosomal cysteine protease composed of a dimer of disulfide-linked heavy and light chains, both produced from a single protein precursor. It is a member of the peptidase C1 family. At least five transcript variants encoding the same protein have been found for this gene. Cystatin-B / CSTB is an intracellular thiol proteinase inhibitor. Tightly binding reversible inhibitor of cathepsins L, H and B. Cystatin-B / CSTB is able to form a dimer stabilized by noncovalent forces,

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inhibiting papain and cathepsins L, H and B. Cystatin-B / CSTB is also thought to play a role in protecting against the proteases leaking from lysosomes