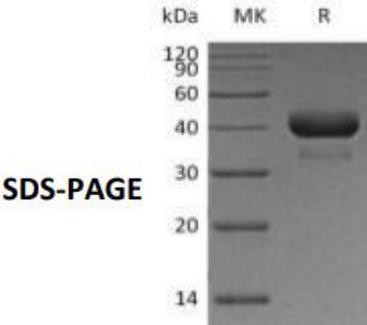


Recombinant Human Cathepsin B(Mammalian, C-6His)

Catalog#:P00278 Derived from Human Cells

DESCRIPTION	<p>Recombinant Human Cathepsin B is produced by our Mammalian expression system and the target gene encoding Arg18-Ile339 is expressed with a 6His tag at the C-terminus.</p> <p>Accession#: AAH10240.1</p> <p>Known as: Cathepsin B; APP Secretase; APPS; Cathepsin B1; CTSB; CPSB</p>
FORMULATION	Supplied as a 0.2 μm filtered solution of PBS, pH 7.4.
SHIPPING	<p>The product is shipped on dry ice/polar packs.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
STORAGE	<p>Store at ≤-70°C, stable for 6 months after receipt.</p> <p>Store at ≤-70°C, stable for 3 months under sterile conditions after opening.</p> <p>Please minimize freeze-thaw cycles.</p>
QUALITY CONTROL	<p>Mol Mass:36.9kDa AP Mol Mass: 34&38-50kDa, reducing conditions.</p> <p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.</p>
BACKGROUND	<p>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, inhibiting papain and cathepsins 1, h and b. Cystatin-B/CSTB is also thought to play a role in protecting against the proteases leaking from lysosomes.</p>
 <p>SDS-PAGE</p>	