

Recombinant Mouse Cathepsin H/CTSH Protein (aa 21-333, His Tag)

Catalog No. PKSM040583

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

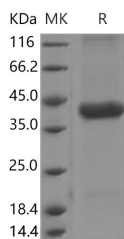
Description

Synonyms	Pro-cathepsin H;CTSH;ACC-4;ACC-5;aleurain;cathepsin B3;cathepsin BA;cathepsin H;CPSB;minichain;N-benzoylarginine-beta-naphthylamide hydrolase
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Ala21-Val333
Accession	AAA82966.1
Calculated Molecular Weight	36.6 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 90 % as determined by reducing SDS-PAGE.

Background

Proinflammatory cytokines decreased the expression of CTSH in human islets and primary rat beta-cells, and overexpression of CTSH protected insulin-secreting cells against cytokine-induced apoptosis.

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