Recombinant Rat Cathepsin E/CTSE Protein (His Tag)

Catalog Number: PKSR030138

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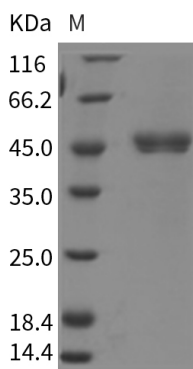
Description

Species	Rat
Source	HEK293 Cells-derived Rat Cathepsin E/CTSE protein Met1-Pro398, with an C-terminal His
Calculated MW	42.1 kDa
Accession	AAH62002.1
Bio-activity	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 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at ＜-20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile 12.5 mM MES, 75 mM NaCl, 50 % glycerol, pH 6.5 Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 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

Cathepsin E Protein (CTSE Protein) is a member of the peptidase C1 family that is a gastric aspartic protease that functions as a disulfide-linked homodimer. Cathepsin E Protein (CTSE Protein) is predominantly present in the cells of immune system and is frequently implicated in antigen processing via the MHC class II pathway which however does not appear to be involved in the digestion of dietary protein. The protein has a specificity similar to that of pepsin and pepsin. Cathepsin E Protein (CTSE Protein) is found in highest concentration in the surface of epithelial mucus-producing cells of the stomach and also been found in more than half of the gastric cancers. It appears, therefore, to be an oncofetal antigen.

For Research Use Only

Toll-free: 1-888-852-8623   Tel: 1-832-243-6086   Fax: 1-832-243-6017
Web:www.elabscience.com   Email:techsupport@elabscience.com

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