

Datasheet for ABIN7273839
CD13 Protein (AA 69-967) (His tag)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	CD13 (ANPEP)
Protein Characteristics:	AA 69-967
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD13 protein is labelled with His tag.

Product Details

Purpose:	Human CD13/ANPEP Protein
Sequence:	Lys69-Lys967
Characteristics:	Recombinant Human CD13/ANPEP Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Lys69-Lys967.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	CD13 (ANPEP)
Alternative Name:	CD13 (ANPEP Products)

Target Details

Background:	CD13/aminopeptidase N is a widely expressed ectoenzyme with multiple functions. As an enzyme, CD13 regulates activities of numerous cytokines by cleaving their N-terminals and is involved in Ag processing by trimming the peptides bound to MHC class II. Independent of its enzymatic activity, cell membrane CD13 functions by cross-linking-induced signal transduction, regulation of receptor recycling, enhancement of FcγR-mediated phagocytosis, and acting as a receptor for cytokines.
Molecular Weight:	103.8 kDa. Due to glycosylation, the protein migrates to 115-130 kDa based on Tris-Bis PAGE result.
UniProt:	P15144
Pathways:	Peptide Hormone Metabolism , Regulation of Systemic Arterial Blood Pressure by Hormones

Application Details

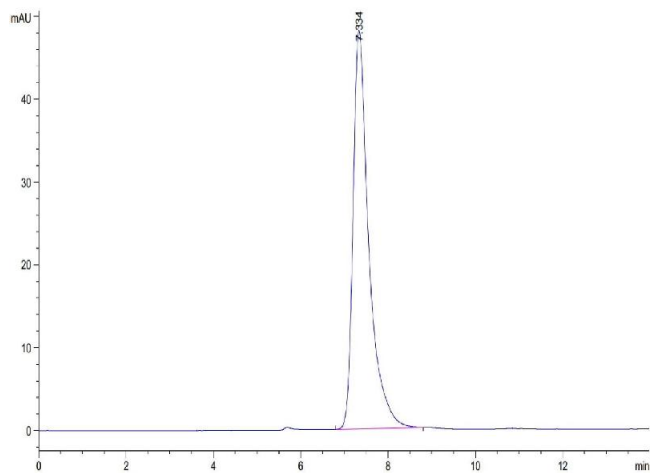
Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Human CD13/ANPEP is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Human CD13/ANPEP on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

