

# Recombinant human CD39L3/ENTPD3 protein

Catalog Number: ATGP3498

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

44-485aa

### UniProt No.

O75355

### NCBI Accession No.

NP\_001239

### Alternative Names

Ectonucleoside triphosphate diphosphohydrolase 3, NTPDase 3, CD39 antigen-like 3, Ecto-ATP diphosphohydrolase 3, Ecto-ATPDase 3, Ecto-ATPase 3, Ecto-apyrase 3, HB6

## PRODUCT SPECIFICATION

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### Molecular Weight

50.7 kDa (451aa)

### Concentration

0.5mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### Purity

> 90% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Biological Activity

Specific activity is > 250,000pmol/min/ug, and is defined as the amount of enzyme that hydrolyze ATP per minute at pH 7.5 at 37C.

### Tag

His-Tag

### Application

SDS-PAGE, Enzyme Activity

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

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## BACKGROUND

### Description

ENTPD3, also known as ectonucleoside triphosphate diphosphohydrolase 3, is an integral membrane glycoprotein with an extracellular active site. It contains 4 apyrase-conserved regions which is characteristic of NTPases. Recombinant human ENTDP3, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

### Amino acid Sequence

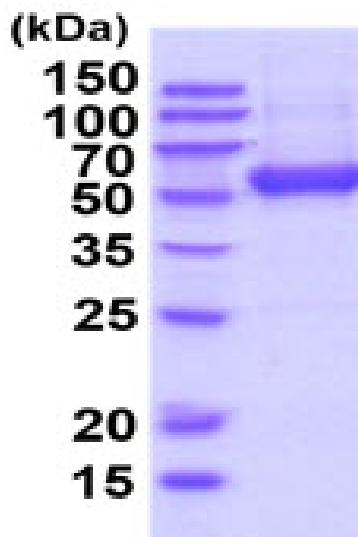
ADLQIHKQEV LPPGLKYGIV LDAGSSRTTV YVYQWPAEKE NNTGVVSQTF KCSVKGSGIS SYGNNPQDVP RAFEECMQKV  
KGQVPSHLHG STPIHLGATA GMRLRLQNE TAANEVLESI QSYFKSQPFD FRGAQIISGQ EEGVYGWITA NYLMGNFLEK  
NLWHMWVHPH GVETTGALDL GGASTQISFV AGEKMDLNTS DIMQVSLYGY VYTLYTHSFQ CYGRNEAEKK FLAMLLQNSP  
TKNHILTNPY PRDYSISFTM GHVFDSLCTV DQRPEYNPN DVITFEGTGD PSLCKEKVAS IFDFKACHDQ ETCSEFDGVYQ  
PKIKGPFVAF AGFYITASAL NLSGSFSLDT FNSSTWNFCS QNWSQLPLLL PKFDEVYARS YCFSSANYIYH LFNNGYKFTE  
ETWPIHFEEK EVGNSSIAWS LGYMLSLTNQ IPAESPLIRL PIEPPHHHHH H

### General References

Lavoie EG., et al. (2004) *Biochem. Pharmacol.* 67:1917-1926.  
Fausther M., et al. (2010) *Am J Physiol Lung Cell Mol Physiol.* 298:L804-818.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)