

Datasheet for ABIN7557054  
**ENTPD7 Protein (AA 1-606) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ENTPD7
Protein Characteristics:	AA 1-606
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ENTPD7 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Entpd7 Protein expressed in mammalien cells.
Sequence:	MARISFSYLC PASWYFTVPT VSPFLRQRVA FLGLFFIPCV LLLLLIMDLR HWATSLPRDR QYERYLARVG DLEATNTEDP NLNYGLVVDC GSSGSRIFVY FWPRHNGNPH DLLDIKQMRD RNSQPVVKKI KPGISAMADT PEHASDYLRP LLSFAAAHVP VKKHRETPLY ILCTAGMRL PERQQLAILA DLVKDLPLEF DFLFSQSQAE VISGKQEGVY AWIGINFVLG RFDHEDES DTSVDSAAGR RRTVGILDMG GASLQIAYEV PTSASDLPPK QEAAKILLA EFNLGCDVQH TEHVYRVVYVT TFLGFGGNFA RQRYEDLVN ETLNKNRLLG QKTGLSPDNP FLDPCLPVGL TDMVKRNNQV LHFRGKGDWA SCRTLLSPLL ARSNTSQASL NGIYQSPIDF NNSEFYGFSE FFYCTEDVLR IGGHYHGPTF AKAAQDYCGM AWPVLAQRFK NGLFSSHADE HRLKYQCFKS AWMYEVLEHG FHFPYDYPNL QTAQLVVDRE VQWTLGAILY KTRFLPLRDL RQGQGGVRPA HGSWLRLSFV YNHYLFFACT LVVLLAIVLY LLRIHRIHRR QTRASAPLDL LWIEQVPMI GVQVGP <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the</b>

## Product Details

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**expression system, a different complexity of the protein could make another tag necessary.**

**In case you have a special request, please contact us.**

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### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

ENTPD7

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### Alternative Name:

Entpd7 ([ENTPD7 Products](#))

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### Background:

Ectonucleoside triphosphate diphosphohydrolase 7 (NTPDase 7) (EC 3.6.1.15) (Lysosomal apyrase-like protein 1),FUNCTION: Catalyzes the hydrolysis of nucleoside triphosphates and diphosphates in a calcium- or magnesium-dependent manner. Preferentially hydrolyzes nucleoside 5'-triphosphates, with substrate preference for UTP > GTP > CTP. Hydrolyzes nucleoside diphosphates only to a minor extent (By similarity). In contrast to its human ortholog is able to hydrolyze ATP. In the epithelial cells of small intestine controls luminal ATP levels, therefore regulating Th17-cell development (PubMed:23241884).  
{ECO:0000250|UniProtKB:Q9NQZ7, ECO:0000269|PubMed:23241884}.

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### Molecular Weight:

69.0 kDa

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### UniProt:

[Q3TCT4](#)

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## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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