

Datasheet for ABIN7553843

ENTPD4 Protein (AA 1-616) (His tag)



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Overview

Quantity:	1 mg
Target:	ENTPD4
Protein Characteristics:	AA 1-616
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ENTPD4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ENTPD4 Protein expressed in mammalian cells.
Sequence:	MGRIGISCLF PASWHFSISP VGCPRLNTN LRQIMVISVL AAVSLLYFS VVIIRNKYGR LTRDKKFQRY LARVTDIEAT DTNNPNVNYG IVVDCGSSGS RVFVYCWPRH NGNPHDLLDI RQMRDKNRKP VVMKIKPGIS EFATSPEKVS DYISPLLNFA AEHVPRAKHK ETPLYILCTA GMRILPESQQ KAILEDLLTD IPVHFDFLFS DSHAEVISGK QEGVYAWIGI NFVLGRFEHI EDDDEAVVEV NIPGSESSEA IVRKRTAGIL DMGGVSTQIA YEVPKTVSFA SSQQEEVAKN LLAEFNLGCD VHQTTEHVYRV YVATFLGFGG NAARQRYEDR IFANTIQKNR LLGKQTGLTP DMPYLDPCLP LDIKDEIQQN GQTIYLRGTG DFDLCRETIQ PFMNKTNETQ TSLNGVYQPP IHFQNSEFYG FSEFYCYCTED VLRMGGDYNA AKFTKAAKDY CATKWSILRE RFDRGLYASH ADLHRLKYQC FKSAWMFEVF HRGFSFPVNY KSLKTALQVY DKEVQWTLGA ILYRTRFLPL RDIQQEAFRA SHTHWRGVSF VYNHYLFSGC FLVLLAILL YLLRLRRIHR RTPRSSSAAA LWMEEGLPAQ NAPGTL Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make

another tag necessary. In case you have a special request, please contact us.

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
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.
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	ENTPD4
Alternative Name:	ENTPD4 (ENTPD4 Products)
Background:	Ectonucleoside triphosphate diphosphohydrolase 4 (NTPDase 4) (EC 3.6.1.15) (EC 3.6.1.6) (Golgi UDPase) (Lysosomal apyrase-like protein of 70 kDa) (Uridine-diphosphatase) (UDPase) (EC 3.6.1.42),FUNCTION: [Isoform 1]: Catalyzes the hydrolysis of nucleoside triphosphates and diphosphates in a calcium- or magnesium-dependent manner, with a preference for pyrimidines. Preferentially hydrolyzes UTP and TTP. AMP, ADP, ATP and UMP are not substrates (PubMed:10858452, PubMed:9556635). Preferentially activated by Ca(2+) over Mg(2+) (PubMed:10858452). {ECO:0000269 PubMed:10858452, ECO:0000269 PubMed:9556635}., FUNCTION: [Isoform 2]: Has a broad substrate specificity with the ability of cleaving all nucleotide di- and triphosphates with the exception of adenosine di- and triphosphate (ADP and ATP). Preferentially hydrolyzes CTP, UDP, CDP, GTP and GDP.

Target Details

Can use either Ca(2+) or Mg(2+) equally. {ECO:0000269|PubMed:10858452, ECO:0000269|PubMed:9556635}.

Molecular Weight: 70.3 kDa

UniProt: [Q9Y227](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

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

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months