

Datasheet for ABIN7561301

## ENTPD4 Protein (AA 1-613) (His tag)



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### Overview

|                               |                                               |
|-------------------------------|-----------------------------------------------|
| Quantity:                     | 1 mg                                          |
| Target:                       | ENTPD4                                        |
| Protein Characteristics:      | AA 1-613                                      |
| Origin:                       | Mouse                                         |
| 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: | <p>MGRIGISCLF PASWHFSISP VGCPRLNTN LRQIVVISIL AAVSLLYFS VVIIRSKYGW</p> <p>LSKDKKFQRY LARVTDVEAT DTNNPSVNYG IVVDCGSSGS RIFVYCWPRH NGNPHDLLDI</p> <p>RQMRDKNRKP VVMKIKPGIS EFATSPEKVS DYISPLLSFA AEHVPRAKHK ETPYLILCTA</p> <p>GMRVLPESQQ KAILEDLLTD IPVHYDFLFS DSHAEVISGK QEGVYAWIGI NFVLGRFEHI</p> <p>EEDDEAVVEV NIPGSESSEA IVRKRTAGVL DMGGVSTQIA YEVPQTVSFA SSQQUEEVAKN</p> <p>LLAEFNLGCD VHQTEHVYRV YVATFLGFGG NAARQRYEDR LFASTVQKNR LLGKQTGLTP</p> <p>DAPLLDPCLP LDIKDEIQN GQTLYLQGTG DFDLCRETLQ PFMNKTNETQ TSLNGVYQPP</p> <p>IHFQNSEFYG FSEFYCYCTED VLRMGGDYNA ARFTQAAKDY CATKWSILRE RFDRGLYASH</p> <p>ADLHRLKYQC FKSAWMFEVF HKGFSFPVTY KNLKTALQVY DKEVQWTLGA ILYRTRFLPL</p> <p>RDIRQEVFRA GHAWHRGVSF VYNHYLFSGC FLVVLLSILL YLLRLRRIHR RAPRTGSLWM</p> <p>EEGLPSQKGP GPL <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make</b></p> |

**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) (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 on UTP and TTP. AMP, ADP, ATP and UMP are not substrates. Preferentially activated by Ca(2+) over Mg(2+). {ECO:0000250|UniProtKB:Q9Y227}. 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. Can use either Ca(2+) or Mg(2+) equally. {ECO:0000250|UniProtKB:Q9Y227}.

## Target Details

Molecular Weight: 69.7 kDa

UniProt: [Q9DBT4](#)

## 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