

Datasheet for ABIN7547450
CD39 Protein (AA 1-510) (His tag)



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Overview

| | |
|-------------------------------|---|
| Quantity: | 1 mg |
| Target: | CD39 (ENTPD1) |
| Protein Characteristics: | AA 1-510 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This CD39 protein is labelled with His tag. |

Product Details

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|-----------|--|
| Purpose: | Custom-made recombinant ENTPD1 Protein expressed in mammalian cells. |
| Sequence: | MEDTKESNVK TFCSKNILAI LGFSSIIAVI ALLAVGLTQN KALPENVKYK IVLDAGSSHT SLYIYKWPAE KENDTGVVHQ VEECRVKGPG ISKFVQKVNE IGIYLTDCME RAREVIPRSQ HQETPVYLG TAGMRLLRME SEELADRVL VVERSLSNYP FDFQGARIIT GQEEGAYGWI TINYLLGKFS QKTRWFSIVP YETNNQETFG ALDLGGASTQ VTFVPQNQTI ESPDNALQFR LYGKDYNVYT HSFLCYGKDQ ALWQKLAKDI QVASNEILRD PCFHPGYKKV VNVSDLYKTP CTKRFEMTLP FQQFEIQGIG NYQQCHQSIL ELFNTSYCPY SQCAFNGIFL PPLQGDFGAF SAFYFVMKFL NLTSEKVSQE KVTEMMKKFC AQPWEEIKTS YAGVKEKYLS EYCFSGTYIL SLLLQGYHFT ADSWEHIHFI GKIQGS DAGW TLGYMLNL TN MIPAEQPLST PLSHSTYVFL MVLFSLVLF T VAIIGLLIFH KPSYFWKDMV 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. |

Product Details

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: CD39 (ENTPD1)

Alternative Name: ENTPD1 ([ENTPD1 Products](#))

Background: Ectonucleoside triphosphate diphosphohydrolase 1 (EC 3.6.1.5) (ATP diphosphohydrolase) (ATP-DPH) (ATPDase) (Ecto-ATP diphosphohydrolase 1) (Ecto-ATPDase 1) (Ecto-ATPase 1) (Ecto-apyrase) (Lymphoid cell activation antigen) (Nucleoside triphosphate diphosphohydrolase 1) (NTPDase1) (CD antigen CD39),FUNCTION: Catalyzes the hydrolysis of both di- and triphosphate nucleotides (NDPs and NTPs) and hydrolyze NTPs to nucleotide monophosphates (NMPs) in two distinct successive phosphate-releasing steps, with NDPs as intermediates and participates in the regulation of extracellular levels of nucleotides (PubMed:8955160, PubMed:8529670, PubMed:8996251, PubMed:8626624) (Probable). By hydrolyzing proinflammatory ATP and platelet-activating ADP to AMP, it blocks platelet aggregation and supports blood flow (PubMed:8955160, PubMed:8996251). {ECO:0000269|PubMed:8529670, ECO:0000269|PubMed:8626624, ECO:0000269|PubMed:8955160,

Target Details

ECO:0000269|PubMed:8996251, ECO:0000305|PubMed:10636909}.

Molecular Weight: 58.0 kDa

UniProt: [P49961](#)

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
