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Datasheet for ABIN7544970

UPP1 Protein (AA 1-310) (His tag)

Overview

Quantity:	1 mg
Target:	UPP1
Protein Characteristics:	AA 1-310
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This UPP1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant UPP1 Protein expressed in mammalian cells.
Sequence:	<p>MAATGANAEK AESHNDPVR LLNPNIKMK EDILYHFNLT TSRHNPALF GDVKFVCVGG SPSRMKAFIR CVGAELGLDC PGRDYPNICA GTDRYAMYKV GPVLSVSHGM GIPSISIMLH ELIKLLYYAR CSNVTIIRIG TSGGIGLEPG TVVITEQAVD TCFKAEFEQI VLGKRVIRKT DLNKKLVQEL LLCSAELSEF TTVVGNTMCT LDFYEGQGRL DGALCSYTEK DKQAYLEAAY AAGVRNIEME SSVFAAMCSA CGLQAAVVCV TLLNRLEGDQ ISSPRNLSE YQQRPQRLVS YFIKKKLSKA</p> <p>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.</p>
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:

Product Details

- 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)
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Grade:	custom-made
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Target Details

Target:	UPP1
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Alternative Name:	UPP1 (UPP1 Products)
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Background:	Uridine phosphorylase 1 (UPase 1) (UrdPase 1) (EC 2.4.2.3),FUNCTION: Catalyzes the reversible phosphorylytic cleavage of uridine to uracil and ribose-1-phosphate which can then be utilized as carbon and energy sources or in the rescue of pyrimidine bases for nucleotide synthesis (PubMed:7488099). Shows broad substrate specificity and can also accept deoxyuridine and other analogous compounds (Probable). {ECO:0000269 PubMed:7488099, ECO:0000305 PubMed:13737038}.
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Molecular Weight:	33.9 kDa
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UniProt:	Q16831
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Pathways:	Ribonucleoside Biosynthetic Process
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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.
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Application Details

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