

Datasheet for ABIN7562722

ODC1 Protein (AA 1-461) (His tag)



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Overview

Quantity:	1 mg
Target:	ODC1
Protein Characteristics:	AA 1-461
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ODC1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Odc1 Protein expressed in mammalian cells.
Sequence:	<p>MSSFTKDEFD CHILDEGFTA KDILDQKINE VSSSDDKDAF YVADLGDILK KHLRWLKALP RVTPFYAVKC NDSRAIVSTL AAIGTGFDCA SKTEIQLVQG LGVPAERVIY ANPCKQVSQI KYAASNGVQM MTFDSEIELM KVARAHPKAK LVLRIATDDS KAVCRLSVKF GATLKTSRLL LERAKELNID VIGVSFHVGS GCTDPETFVQ AVSDARCVFD MATEVGFSMH LLDIGGGFPG SEDTKLKFEETSVINPALD KYFPSDSGVR IIAEPGRYYV ASFTLAVNI IAKKTVWKEQ PGSDDEDESN EQTFMYVND GVGGSFNCIL YDHAHVKALL QKRPKPDEKY YSSSIWGPTC DGLDRIVERC NLPFMHVGDW MLFENMGAYT VAAASTFNGF QRPNIYYVMS RPMWQLMKQI QSHGFPPEVE EQDDGTLPMSCAQESGMDRH PAACASARIN V</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>

Product Details

Characteristics:	<div>Key Benefits:</div> <ul style="list-style-type: none">• 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).
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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, Western Blot
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Grade:	custom-made
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Target Details

Target:	ODC1
Alternative Name:	Odc1 (ODC1 Products)
Background:	<p>Ornithine decarboxylase (ODC) (EC 4.1.1.17),FUNCTION: Catalyzes the first and rate-limiting step of polyamine biosynthesis that converts ornithine into putrescine, which is the precursor for the polyamines, spermidine and spermine. Polyamines are essential for cell proliferation and are implicated in cellular processes, ranging from DNA replication to apoptosis.</p> <p>{ECO:0000269 PubMed:18973822, ECO:0000269 PubMed:24967154}.</p>
Molecular Weight:	51.2 kDa
UniProt:	P00860

Application Details

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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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