

Datasheet for ABIN7551124 DHODH Protein (AA 1-395) (His tag)



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Overview

Quantity:	1 mg
Target:	DHODH
Protein Characteristics:	AA 1-395
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DHODH protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant DHODH Protein expressed in mammalian cells.
Sequence:	<p>MAWRHLKKRA QDAVILGGG GLLFASYLMA TGDERFYAEH LMPTLQGLLD PESAHRLAVR FTSLGLLPRA RFQDSMDLEV RVLGHKFRNP VGIAAGFDKH GEAVDGLYKM GFGFVEIGSV TPKPQEGNPR PRVFRLPEDQ AVINRYGFNS HGLSVVEHRL RARQKQAKL TEDGLPLGVN LGKNKTSVDA AEDYAEGVRV LGPLADYLVV NVSSPNTAGL RSLQGKAELR RLLTKVLQER DGLRRVHRPA VLVKIAPDLT SQDKEDIASV VKELGIDGLI VTNTTVSRPA GLQGALRSET GGLSGKPLRD LSTQTIREMY ALTQGRVPII GVGGVSSGQD ALEKIRAGAS LVQLYTALTF WGPPVVGKVK RELEALLKEQ GFGGVTD AIG ADHRR</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.

Product Details

Characteristics:	<div><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).<p>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.</p><p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p><p>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.</p></div>
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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	DHODH
Alternative Name:	DHODH (DHODH Products)
Background:	Dihydroorotate dehydrogenase (quinone), mitochondrial (DHodehase) (EC 1.3.5.2) (Dihydroorotate oxidase),FUNCTION: Catalyzes the conversion of dihydroorotate to orotate with quinone as electron acceptor. Required for UMP biosynthesis via de novo pathway. {ECO:0000269 PubMed:8925840}.
Molecular Weight:	42.9 kDa
UniProt:	Q02127
Pathways:	Ribonucleoside Biosynthetic Process , Protein targeting to Nucleus

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