

Datasheet for ABIN7564359

ENOX1 Protein (AA 1-643) (His tag)



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Overview

Quantity:	1 mg
Target:	ENOX1
Protein Characteristics:	AA 1-643
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Enox1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Enox1 Protein expressed in mammalian cells.
Sequence:	<p>MVDAAGFESV AQCPRELHQM MAAAADGLGS IALDTTQLNM SVTDPTAWAT AMNNLGMVPV</p> <p>GLPGQQLVSD SICVPGFDPG LNMMTGITPI NPMIPGLGLV PPPPTTEVAV VKEIIHCKSC</p> <p>TLFPQNPPLP PPSTRERPPG CKTVFVGGLP ENATEEIIQE VFEQCGDITA IRKSKKNFCH</p> <p>IRFAEEFMVD KAIYLSGYRM RLGSSTDKKD SGRLHVDFAQ ARDDFYEWEC KQRM RareER</p> <p>HRRKLEEDRL RPPSPPAIMH YSEHEAALLA DKLKDDSKFS EAITVLLSWI ERGEVNR RSA</p> <p>NQFYSMVQSA NSHVRRLMNE KATHEQEMEE AKENFKNALT GILTQFEQIV AVFNASTRQK</p> <p>AWDHFSKAQR KNIDIWRKHS EELRNAQSEQ LMGIRREEEM EMSDDENCDS PTKKMRVDES</p> <p>ALAAQAYALK EENDSLRWQL DAYRNEVELL KQEKEQLFRT EENLT KDQQL QFLQQT MQGM</p> <p>QQQLLAIQEE LNNKKSELEQ AKEEQSHTQA LLKVLQEQLK GTKDLVETNG HSHEDANEIN</p> <p>VLTVLVNQD RENNTEKRSQ GLKSEKEALL IGIISTFLHV HPFGANIEYL WSYMQQLD SK</p> <p>ISANEIEMLL MRLPRMFKQE FTGVGATLEK RWKLCAFE GI KTT Sequence without tag. The</p>

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.

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, Western Blot

Grade:

custom-made

Target Details

Target:

ENOX1

Alternative Name:

Enox1 ([ENOX1 Products](#))

Background:

Ecto-NOX disulfide-thiol exchanger 1 (Constitutive Ecto-NOX) (cNOX) [Includes: Hydroquinone [NADH] oxidase (EC 1.-.-), Protein disulfide-thiol oxidoreductase (EC 1.-.-)],FUNCTION: Probably acts as a terminal oxidase of plasma electron transport from cytosolic NAD(P)H via hydroquinones to acceptors at the cell surface. Hydroquinone oxidase activity alternates with a protein disulfide-thiol interchange/oxidoreductase activity which may control physical membrane displacements associated with vesicle budding or cell enlargement. The activities oscillate with a period length of 24 minutes and play a role in control of the ultradian cellular biological clock (By similarity). {ECO:0000250}.

Molecular Weight:

73.3 kDa

Target Details

UniProt: [Q8BHR2](#)

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.

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