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Datasheet for ABIN7561190
ECHDC1 Protein (AA 1-322) (His tag)

Overview

Quantity:	1 mg
Target:	ECHDC1
Protein Characteristics:	AA 1-322
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ECHDC1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Echdc1 Protein expressed in mammalien cells.
Sequence:	MRRCEVNSKP ISEYFGIPCE NREMAKCLLT SLSVRTKLL QTGVSLYNTS HGFHEEEVKK ILEQFPGGSI DLLKKQNGIG ILTLNPNPKM NAFSGVMMLQ LLERVIELEN WTEGKGLIIH GAKNTFCSGS DLNAVKALST PESGVALSMF MQNTLTRFMR LPLISVALVQ GWAMGGGAEL TTACDFRLMT EESVIRFVHK EMGIVPSWGG TSRLVEIIGS RQALKVLSGT LKLDKEALN IGLTDEVLQP SDETTALEQA QEWLEKFVSG PPQVIRGLKK SVCSARELYI EEALQNERDV LETLWGGPAN LEAIAKKGKH TK 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.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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
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Grade:	custom-made
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Target Details

Target:	ECHDC1
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Alternative Name:	Echdc1 (ECHDC1 Products)
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Background:	Ethylmalonyl-CoA decarboxylase (EC 4.1.1.94) (Enoyl-CoA hydratase domain-containing protein 1) (Methylmalonyl-CoA decarboxylase) (MMCD),FUNCTION: Decarboxylates ethylmalonyl-CoA, a potentially toxic metabolite, to form butyryl-CoA, suggesting it might be involved in metabolite proofreading. Acts preferentially on (S)-ethylmalonyl-CoA but has also some activity on the (R)-isomer. Also has methylmalonyl-CoA decarboxylase activity at lower level. {ECO:0000269 PubMed:22016388}.
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Molecular Weight:	35.5 kDa
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UniProt:	Q9D9V3
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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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Restrictions:	For Research Use only
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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