

Datasheet for ABIN7553818
ESCO2 Protein (AA 1-601) (His tag)



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Overview

Quantity:	1 mg
Target:	ESCO2
Protein Characteristics:	AA 1-601
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ESCO2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat ESCO2 Protein expressed in mammalian cells.
Sequence:	MAALTPRKRK QDSLKCDLL HFTENLFPSP NKKHCFYQNS DKNEENLHCS QQEHFVLSAL KTTEINRLPS ANQGSPFKSA LSTVSFYNQN KWYLNPLERK LIKESRSTCL KTNDKDSFP IVTEKMQGKP VCSKKNKKP QKSLTAKYQP KYRHIKPVSR NSRNSKQNRV IYKPIVEKEN NCHSAENNSN APRVLSQKIK PQVTLQGGAA FFVRKKSSLR KSSLENEPSL GRTQKSKSEV IEDSDVETVS EKKTFATRQV PKCLVLEEKL KIGLLSASSK NKEKLIKDSS DDRVSSKEHK VDKNEAFSSE DSLGENKTIS PKSTVYPIFS ASSVNSKRSL GEEQFSVGSV NFMKQTNIQK NTNTRDTSKK TKDQLIIDAG QKHFGATVCK SCGMIYTASN PEDEMQHVVQH HHRFLEGIKY VGWKKERVVA EFDGKIVLV LPHDPSFAIK KVEDVQELVD NELGFQQVVP KCPNKIKTFL FISDEKRVVG CLIAEPIKQA FRVLSEPIGP ESPSSTECPR AWQCSDVPEP AVCGISRIWV FRLKRRKRIA RRLVDTLRNC FMFGCFLSTD EIAFSDPTPD GKLFATKYCN TPNFLVYNFN S Sequence without tag. The proposed Purification-Tag is based on experiences with the

Product Details

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:

ESCO2

Alternative Name:

ESCO2 ([ESCO2 Products](#))

Background:

N-acetyltransferase ESCO2 (EC 2.3.1.-) (Establishment factor-like protein 2) (EFO2) (EFO2p) (hEFO2) (Establishment of cohesion 1 homolog 2) (ECO1 homolog 2),FUNCTION: Acetyltransferase required for the establishment of sister chromatid cohesion (PubMed:15821733, PubMed:15958495). Couples the processes of cohesion and DNA replication to ensure that only sister chromatids become paired together. In contrast to the structural cohesins, the deposition and establishment factors are required only during the S phase. Acetylates the cohesin component SMC3 (PubMed:21111234). {ECO:0000269|PubMed:15821733, ECO:0000269|PubMed:15958495, ECO:0000269|PubMed:19907496, ECO:0000269|PubMed:21111234}.

Molecular Weight:

68.3 kDa

Target Details

UniProt: [Q56NI9](#)

Pathways: [Positive Regulation of Endopeptidase Activity](#)

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
