

Datasheet for ABIN7553864
ESCO1 Protein (AA 1-840) (His tag)



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Overview

Quantity:	1 mg
Target:	ESCO1
Protein Characteristics:	AA 1-840
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ESCO1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat ESCO1 Protein expressed in mammalian cells.
Sequence:	MMSIQEKSKE NSSKVTKKSD DKNSETEIQD SQKNLAKKSG PKETIKSQAK SSESKINQP ELETRMSTRS SKAASNDKAT KSINKNTVTV RGYSEQSTKK KLSQKKLVHE NPKANEQLNR RSQRLQQLTE VSRRLRSRE IQGQVQAVKQ SLPPTKKEQC SSTQSKSNKT SQKHVCRKVL EVKSDSKEDE NLVINEVINS PKGKKRQVEH QTACACSSQC TQGSEKCPQK TTRDETQPV PVTSEVKRSK MATSVVPKKN EMKKSHTQV NTNTTLPKSP QPSVPEQSDN ELEQAGKSKR GSILQLCEEI AGEIESDNVE VKKESQMES VKEEKPTK LEETSVERQI LHQKTNQDV QCNRRFFPSRK TKPVKILNG INSSAKNSN WTKIKLSKFN SVQHNKLDLQ VSPKLGLLRT SFPPALEMH HPVTQSTFLG TKLHDRNITC QQEKMKKINS EEVKINDITV EINKTTERAP ENCHLANEIK PSDPPLDNQM KHSFDSASNK NFSQCLESKL ENSPVENVTA ASTLLSQAQI DTGENKFPGS APQQHSILSN QTSKSSDNRE TPRNHSLPKC NSHLEITIPK DLKLKEAEKT DEKQLIIDAG QKRFQAVSCN VCGMLYTASN PEDETQHLLF HNQFISAVKY VGWKKERILA

Product Details

EYPDGRIIMV LPEDPKYALK KVDEIREMVD NDLGFQQAPL MCYSRKTLL FISNDKKVVG
CLIAEHIQWG YRVIEEKLPV IRSEEEKVRF ERQKAWCCST LPEPAICGIS RIWVFSMMRR
KKIASRMIEC LRSNFIYGSY LSKEEIAFSD PTPDGKLFAT QYCGTGQFLV YNFINGQNST **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:

- 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:

ESC01

Alternative Name:

ESC01 ([ESC01 Products](#))

Background:

N-acetyltransferase ESC01 (EC 2.3.1.-) (CTF7 homolog 1) (Establishment factor-like protein 1) (EFO1) (EFO1p) (hEFO1) (Establishment of cohesion 1 homolog 1) (ECO1 homolog 1) (ES01 homolog 1),FUNCTION: Acetyltransferase required for the establishment of sister chromatid cohesion (PubMed:15958495, PubMed:18614053). 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 S phase. Acts by mediating the acetylation of cohesin component SMC3 (PubMed:18614053).

Target Details

{ECO:0000269|PubMed:14576321, ECO:0000269|PubMed:15958495,
ECO:0000269|PubMed:18614053, ECO:0000269|PubMed:19907496,
ECO:0000269|PubMed:27112597, ECO:0000269|PubMed:27803161}.

Molecular Weight: 95.0 kDa

UniProt: [Q5FWF5](#)

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