

Datasheet for ABIN7564014
ESCO1 Protein (AA 1-843) (His tag)



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Overview

Quantity:	1 mg
Target:	ESCO1
Protein Characteristics:	AA 1-843
Origin:	Mouse
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 mammalien cells.
Sequence:	MSIQEKSKEN SSIIVTKESED ENLEEEVESS QNSPTKKSGS KEAVKTPVRF SNKSKTNESE FGMRMSTRSA SCSADKTATN SFNKNTVTLK GQSQESSKTK KLCQEKLSLG ILKGNEQLHR RSQRLQQLTE CTTRSLRSRE IHGQIQTVKQ NQQSARREQC NSTQSKCNKV KVNQKHVKRK VLEIKSDCKE DRHSVTNEVI NSPKGKKRKV QHQTSTCSS QCNQGSEKCL QKTSRKEEIK PVPVTADIRK LKAATSVVSK KNELRKAHT QVSTSTKRPQ IPLPLVPEHS DDQELEQAGK SKRGSILQLC EEIAGEIESD TVEVKKESSC VESVKEEKPA EVKLQGTDAE RQILHHKEAN QDVRNRRFFP SRKTKPVKCV LNGINSSTKK NSNWTIKILS KFNSVQQHKL DSQVSPKLNL LQTGLSTSVL EMPHPVSQST FLEMKAHGNV TCQRDKMKGI KSEEVKINNI AIEINKATKR DPGNCNLDNH IKPSPDSSLN NQMKLSCESA PDQNFSCSA SEVETNPLEN TAAASTLLSQ AKIDEDRTFP GSAPNQHSV LSDEASINRK NRDVPPNHSQ LKHDSHLEIT IPKSLKLDKDS EKVDEKQLVI DAGHKRFGAV SCNICGMLYT ASNPEDETQH LLFHNQFISA VKYVGVWKKER

Product Details

ILAEYPDGRI IMVLPEDPKY ALKKVDEIRE MVDNDLGFQQ APLMCYSRTK TLLFISNDKK
VVGCLIAEHI QWGYRVIEEK LPVIRSEEEK VRFERQKAWC CSTLPEPAIC GISRIWVFSM
MRRKKIASRM IECLRSNFIY GSYLSKEEIA FSDPTPDGKL FATQYCGTGQ FLVYNFINGQ NTT

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:

Esco1 ([ESCO1 Products](#))

Background:

N-acetyltransferase ESC01 (EC 2.3.1.-) (Establishment of cohesion 1 homolog 1) (ECO1 homolog 1),FUNCTION: Acetyltransferase required for the establishment of sister chromatid cohesion. 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. {ECO:0000250|UniProtKB:Q5FWF5}.

Molecular Weight:

95.0 kDa

Target Details

UniProt: [Q69Z69](#)

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