

Datasheet for ABIN7563749

ESRP1 Protein (AA 1-680) (His tag)



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Overview

Quantity:	1 mg
Target:	ESRP1
Protein Characteristics:	AA 1-680
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ESRP1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Esrp1 Protein expressed in mammalian cells.
Sequence:	<p>MTASPDYLVV LFGITAGATG AKLGSDEKEL ILLWVKVVDL ANKKVQQLHE VLVRPDQLEL</p> <p>TEDCKEETKI DAENLSSAPQ LDQALRQFNQ SVSNELNIGV GTSFCLCTDG QLHIRQILHP</p> <p>EASKKNVLLP ECFYSFFDLR KEFKKCCPGS PDIDKLDVAA MTESLNFEKS DSVSRYGASQ</p> <p>VEDMGNIILA MISEPYNHRF SDPERVNYKF ESGTCKMELI DDSTVVRARG LPWQSSDQDI</p> <p>ARFFKGLNIA KGGAALCLNA QGRRNGEALV RFVSEEHRDL ALQRHKHHMG TRYIEVYKAT</p> <p>GEDFLKIAGG TSNEVAQFLS KENQVIVRMR GLPFTATAEE VVAFFGQHCP ITGGKEGILF</p> <p>VTYPDGRPTG DAFVLFACEE YAQNALRKHK ELLGKRYIEL FRSTAAEVQQ VLNRFSAPL</p> <p>IPLPTPIIP VLPQQFVPPT NVRDCIRLRG LPYAATIEDI LDFLGEFSTD IRTGHVHMVL</p> <p>NHQGRPSGDA FIQMKSTDRA FMAAQKYHKK TMKDRYVEVF QCSAEEMNFV LMGGTLNRNG</p> <p>LSPPPCKLPC LSPPSYTFPA PTAVIPTEAA IYQPSLLNP RALQPSTAYY PAGTQLFMNY</p> <p>TAYYSPPGS PNSLGYFPTA ANLSSVPPQP GTVVRMQGLA YNTGVKEILN FFQGYQYATE</p>

DGLVHTNDQA RTLPKEWVCI **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:

ESRP1

Alternative Name:

Esrp1 ([ESRP1 Products](#))

Background:

Epithelial splicing regulatory protein 1 (RNA-binding motif protein 35A) (RNA-binding protein 35A),FUNCTION: mRNA splicing factor that regulates the formation of epithelial cell-specific isoforms. Specifically regulates the expression of FGFR2-IIIb, an epithelial cell-specific isoform of FGFR2. Also regulates the splicing of CD44, CTNND1, ENAH, 3 transcripts that undergo changes in splicing during the epithelial-to-mesenchymal transition (EMT). Acts by directly binding specific sequences in mRNAs. Binds the GU-rich sequence motifs in the ISE/ISS-3, a cis-element regulatory region present in the mRNA of FGFR2 (By similarity). Regulates splicing and expression of genes involved in inner ear development, auditory hair cell differentiation, and cell fate specification in the cochlear epithelium (PubMed:29107558).
{ECO:0000250|UniProtKB:Q6NXG1, ECO:0000269|PubMed:29107558}.

Target Details

Molecular Weight: 75.5 kDa

UniProt: [Q3US41](#)

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