

Datasheet for ABIN7553858
ESRP1 Protein (AA 1-681) (His tag)



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Overview

Quantity:	1 mg
Target:	ESRP1
Protein Characteristics:	AA 1-681
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ESRP1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ESRP1 Protein expressed in mammalian cells.
Sequence:	MTASPDYLVV LFGITAGATG AKLGSDEKEL ILLFWKVVDL ANKKVGQLHE VLVRPDQLEL TEDCKEETKI DVESLSSASQ LDQALRQFNQ SVSNELNIGV GTSFCLCTDG QLHVRQILHP EASKKNVLLP ECFYSFFDLR KEFKKCCPGS PDIDKLDVAT MTEYLNFEKS SSVSRYGASQ VEDMGNIILA MISEPYNHRF SDPERVNYKF ESGTCSKMEL IDDNTVVRAR GLPWQSSDQD IARFFKGLNI AKGGAALCLN AQGRRNGEAL VRFVSEEHRD LALQRHKHHM GTRYIEVYKA TGEDFLKIAG GTSNEVAQFL SKENQVIVRM RGLPFTATAE EVVAFFGQHC PITGGKEGIL FVTYPDGRPT GDAFVLFACE EYAQNALRKH KDLLGKRYIE LFRSTAAEVQ QVLNRFSSAP LIPLTPPII PVLPQQFVPP TNVRDCIRLR GLPYAATIED ILDFLGEFAT DIRTHGVHNV LNHQGRPSGD AFIQMKSAADR AFMAAQKCHK KNMKDRYVEV FQCSAEEMNF VLMGGTLNRN GLSPPPCKLP CLSPPSYTFP APAAVIPTEA AIYQPSVILN PRALQPSTAY YPAGTQLFMN YTAYYPPPG SPNSLGYFPT AANLSGVPPQ PGTVVRMQGL AYNTGVKEIL NFFQGYQYAT EDGLIHTNDQ ARTLPKEWVC 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.

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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 (PubMed:19285943). Regulates splicing and expression of genes involved in inner ear development, auditory hair cell differentiation, and cell fate specification in the cochlear epithelium (By similarity).

Target Details

	{ECO:0000250 UniProtKB:Q3US41, ECO:0000269 PubMed:19285943}.
Molecular Weight:	75.6 kDa
UniProt:	Q6NXG1

Application Details

Application Notes:	We expect the protein to work for functional studies. 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