

Recombinant Mouse Esrp1 Protein, Myc/DDK-tagged

Cat. No. Esrp1-2872M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length epithelial splicing regulatory protein 1 (Esrp1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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. Regulates splicing and expression of genes involved in inner ear development, auditory hair cell differentiation, and cell fate specification in the cochlear epithelium.
Molecular Mass	49.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Esrp1 epithelial splicing regulatory protein 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Esrp1](#)

Synonyms ESRP1; epithelial splicing regulatory protein 1; RNA-binding protein 35A; RNA binding motif protein 35A; RNA-binding motif protein 35A; Rbm35a; BC031468; A630065D16; RP23-322G9.1; 2210008M09Rik; MGC25805

Gene ID [207920](#)

mRNA Refseq [NM_194055](#)

Protein Refseq [NP_918944](#)

UniProt ID [Q3US41](#)

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