

Product datasheet for TP524951

Espn (NM_207687) Mouse Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse espin (Espn), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species: | Mouse |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >MR224951 representing NM_207687 Red =Cloning site Green =Tags(s) |

MALEQALQAARRGDLVDLRLSLHAAGLLGPSLRDSDLALPVHHAARSGKLHCLRYLVEEVALPAVSRARNG
ATPAHDAAATGYLSCLQWLLTQGGCRVQEKDNSGATVHLAARFGHPDVVKWLLYQGGANSAITTDGAL
PIHYAAAKGDLPSLKLVLGHYPEGVNAQTNGATPLYLACQEGHLEVTKYLVQEQCSADPHLRAQDGMTPL
HAAAQMGHNPVLVWLVSFADVSFSEQDHDGATAMHFAASRGHTKVLWLLHGAEISQDLWGGTPLHDAA
ENGELECCQILAVNGAGLDVRDHDGYTAADLAEFNGHTHCSRYLRTVQTLSEHRVLSRDQSMLEAKQL
DSGMSSPNTTMSVQPMTFDLGSPSTSTFSNYDSCSSSHSSSKGQRSNRGIPGARAADLQSYMDMLNPEKSL
PRGKLGKPSPPPPPPPPPSFPPPPPTGTQPPPPPGYPAPNPPVGLHLNNIYMQTKNKL RHVEVDSLK
EPKVELNDQFAQPSSGDGHSGLHRQDSGLLRQDSELLHRQELLRHSTGLRRQDSDRKQRSFSKQPSTGDY
YRQLGRSPGEPLAARPGMAHSEEAALLPGNHVHNGCSADSKASRELPPPPPPPLPEALSSPPPAPPLPI
EGAGAACGQRRSSSSTGKVRVLRHRKSTKSFNMSPTGDNSELLAEIKAGSKLPTPQSKGLTTVFSGSG
QPASQPESPQPLVSPAPSRTRSPTPPASGSQPLLNGSVVPAPPATPAPGVHLDVEALIPTLDEQGRPIPE
WKRQVMVRKLQQKMQEEEEQRRKEEEEEEARLASLPAWRRDILRKKLEEEEREQKRKEEERQKLEEIQRAKE
QSEKLRTLGYDEAKLAPWQRQVILKKGEIPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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| Tag: | C-MYC/DDK |
| Predicted MW: | 94.5 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |



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| Storage: | Store at -80°C after receiving vials. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_997570 |
| Locus ID: | 56226 |
| UniProt ID: | Q9ET47 |
| RefSeq Size: | 2861 |
| Cytogenetics: | 4 82.9 cM |
| RefSeq ORF: | 2616 |
| Synonyms: | je |
| Summary: | Multifunctional actin-bundling protein. Plays a major role in regulating the organization, dimension, dynamics and signaling capacities of the actin filament-rich microvilli in the mechanosensory and chemosensory cells (PubMed:14657236, PubMed:15190118). Required for the assembly and stabilization of the stereociliary parallel actin bundles. Plays a crucial role in the formation and maintenance of inner ear hair cell stereocilia (PubMed:21455486). Involved in the elongation of actin in stereocilia (PubMed:19287378, PubMed:22264607). In extrastriolar hair cells, required for targeting MYO3B to stereocilia tips, and for regulation of stereocilia diameter and staircase formation (PubMed:26926603).[UniProtKB/Swiss-Prot Function] |