

Product datasheet for TP312577

Espin (ESPN) (NM_031475) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human espin (ESPN), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC212577 representing NM_031475 Red=Cloning site Green=Tags(s)

MALEQALQAARQGELDVLRSLHAAGLLGPSLRDPLDALPVHHAARAGKLHCLRFLVEEAALPAAARARNG
ATPAHDASATGHLACLQWLLSQGGCRVQDKDNGATVLHLAARFGHPEVNWLLHHGGGDPTAATDMGAL
PIHYAAAKGDFPSLRLLVEHYPEGVNAQTNGATPLYLACQEGHLEVTQYLVQECGADPHARAHDGMTPL
HAAAQMGHSPVIVWLVSCTDVSLSEQDKGATAMHFAASRGHTKVLWLLHGGGEISADLWGGTPLHDAA
ENGELECCQILVWNGAELDVRDRDGYTAADLSDFNGHSHCTRYLRTVENLSVEHRVLSRDPSAELEAKQP
DSGMSSPNTTVSVQPLNFDLSSPTSTLSNYDSCSSSHSSIKGQHPPCGLSSARAADIQSYMDMLNPELGL
PRGTIGKPTPPPPPPSFP PPPPPGTQLPPPPPGYPAPKPPVGPQAADIYMQTKNLRHVETEALKKELS
SCDGHDLRRQDSSRKPRAFSKQPSTGDYYRQLGRCPGETLAARPGMAHSEVRARQPARGCPRLGPA
RGSLEGPSAPPQAALLPGNHVPNGCAADPKASRELP PPPPPPPPLPEAASSPPPAPPLPLESAGPGCGQ
RRSSSTGSTKSFNMMSPDGNSELLAEIKAGKSLKPTPQSKGLTTVFSGIGQPAFQPDSPSPALS
PVRSPTPAAGFQPLLNGSLVPVPTTPAPGVQLDVEALIPHTDEQGRPIPEWKRQVMVRKMQLMQEEEE
EQRRKEEEEEARLASMPAWRRDLLRKKLEEEEREQKRKEEERQKQEELRREKEQSEKRLTLGYDESKLAPW
QRQVILKKGDI AKY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	91.6 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
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_113663
Locus ID:	83715
UniProt ID:	B1AK53
RefSeq Size:	3542
Cytogenetics:	1p36.31
RefSeq ORF:	2562
Synonyms:	DFNB36; LP2654; USH1M
Summary:	This gene encodes a multifunctional actin-bundling protein. It plays a major role in regulating the organization, dimensions, dynamics, and signaling capacities of the actin filament-rich, microvillus-type specializations that mediate sensory transduction in various mechanosensory and chemosensory cells. Mutations in this gene are associated with autosomal recessive neurosensory deafness, and autosomal dominant sensorineural deafness without vestibular involvement. [provided by RefSeq, Nov 2009]

Product images:



Coomassie blue staining of purified ESPN protein (Cat# TP312577). The protein was produced from HEK293T cells transfected with ESPN cDNA clone (Cat# [RC212577]) using MegaTran 2.0 (Cat# [TT210002]).