

## Product datasheet for TP312577L

### Espin (ESPN) (NM\_031475) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human espin (ESPN), 1 mg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC212577 representing NM\_031475  
Red=Cloning site Green=Tags(s)

MALEQALQAARQGELDVLRSLHAAGLLGPSLRDPLDALPVHHAARAGKLHCLRFLVEEAALPAAARARNG  
 ATPAHDASATGHLACLQWLLSQGGCRVQDKDNGATVLHLAARFGHPEVNWLLHHGGGDPTAATDMGAL  
 PIHYAAAKGDFPSLRLLVEHYPEGVNAQTKNGATPLYLACQEGHLEVTQYLVQECGADPHARAHDGMTPL  
 HAAAQMGHSPVIVWLVSCTDVSLSEQDKGATAMHFAASRGHTKVLWLLHGGEISADLWGGTPLHDAA  
 ENGELECCQILVWNGAELDVRDRDGYTAADLSDFNGHSHCTRYLRTVENLSVEHRVLSRDPSAELEAKQP  
 DSGMSSPNTTVSVQPLNFDLSSPTSTLSNYDSCSSSHSSIKGQHPPCGLSSARAADIQSYMDMLNPELGL  
 PRGTIGKPTPPPPPPSFP PPPPPGTQLPPPPPGYPAPKPPVGPQAADIYMQTKNKL RHVETEALKKELS  
 SCDGHDGLRRQDSSRKPRAFSKQPSTGDYYRQLGRCPGETLAARPGMAHSEVRARQPARAGC PRLGPAA  
 RGSLEGPSAPPQAALLPGNHVPNGCAADPKASRELP PPPPPPPPLPEAASSPPPAPPLPLESAGPGCGQ  
 RRSSTGSTKSFNMMSP TGDNSELLAEIKAGKSLKPTPQSKGLTTVFSGIGQPAFQPD SPLPSVPALS  
 PVRSPTPPAAGFQPLLNGSLVPVPTTPAPGVQLDVEALIPTHDEQGRPIPEWKRQVMVRKMQ LKMQE  
 EQRRKEEEEEARLASMPAWRRDLLRKKLEEEEREQKRKEEERQKQEELRREKEQSEKLR TLGYDESKLAPW  
 QRQVILKKGDI AKY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

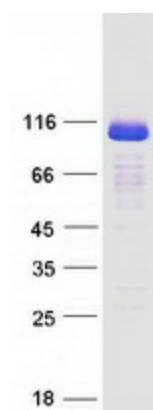
**Tag:** C-Myc/DDK  
**Predicted MW:** 91.6 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  
**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_113663</a>
<b>Locus ID:</b>	83715
<b>UniProt ID:</b>	<a href="#">B1AK53</a>
<b>RefSeq Size:</b>	3542
<b>Cytogenetics:</b>	1p36.31
<b>RefSeq ORF:</b>	2562
<b>Synonyms:</b>	DFNB36; LP2654; USH1M
<b>Summary:</b>	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]).