

Product datasheet for PH312577

Espin (ESPN) (NM_031475) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ESPN MS Standard C13 and N15-labeled recombinant protein (NP_113663)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212577
Predicted MW:	91.6 kDa
Protein Sequence:	>RC212577 representing NM_031475 Red=Cloning site Green=Tags(s)

MALEQALQAARQGEIDVLRSLHAAGLLGPSLRDPLDALPVHHAARAGKLHCLRFLVEEAALPAAARARNG
ATPAHDASATGHLACLQWLLSQGGCRVQDKDNSGATVLAARFGHPEVNVNLLHHGGGDPATAATDMGAL
PIHYAAAKGDFPSLRLLVEHYPEGVNAQTKNGATPLYLACQEGHLEVTQYLVQECGADPHARAHDGMTPL
HAAAQMGHSPVIVLVSCTDVSLSEQDKDGATAMHFAASRGHTKVLSWLLHGGESIADLWGGTPLHDAA
ENGELECCQILVNGAELDVRDRDGYTAADL SDFNGHSHCTRYLRTVENLSVEHRVLSRDPSAELEAKQP
DSGMSSPNTTVSQPLNFDLSSPTSTLSNYDSCSSSHSSIKGQHPPCGLSSARAADIQSYMDMLNPGL
PRGTIGKPTPPPPPSFPPPPPPGTQLPPPPPGYPAPKPPVGPQAADIYMQTKNKL RHVETEALKKELS
SCDGHDLRRQDSSRKPRAFSKQPSTGDYYRQLGRCPGETLAARPGMAHSEEVRRARQPARAGCPRLGPA
RGSLEGPSAPPQAALLPGNHVPGCAADPKASRELP PPPPPPPPLPEAASSPPAPPLPLESAGPGCGQ
RRSSSSTGSKSFNMMSPTGDNSELLAEIKAGKSLKPTPQSKGLTTVFSGIGQPAFQPDSPSPVSPALS
PVRSPTPPAAGFQPLLNGLVVPVPTTPAPGVQLDVEALIPTHDEQGRPIPEWKRVQVMVRKMLKMQEEE
EQRRKEEEEEEARLASMPAWRRDLLRKKLEEEEREQKRKEEERQKQEELRREKEQSEKLRTLGYDESKLAPW
QRQVILKKGDI AKY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



[View online »](#)

RefSeq:	NP_113663
RefSeq Size:	3542
RefSeq ORF:	2562
Synonyms:	DFNB36; LP2654; USH1M
Locus ID:	83715
UniProt ID:	B1AK53
Cytogenetics:	1p36.31

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]).