

Product datasheet for PH308793

C15orf38 (ARPIN) (NM_182616) Human Mass Spec Standard

Product data:

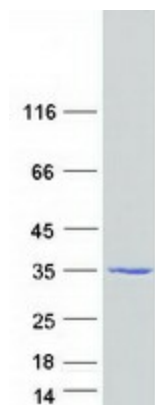
Product Type:	Mass Spec Standards
Description:	C15orf38 MS Standard C13 and N15-labeled recombinant protein (NP_872422)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208793
Predicted MW:	24.9 kDa
Protein Sequence:	<p>>RC208793 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MSRIYHDGALRNKAVQSVRLPGAWDPAAHQGGNGVLLEGELIDVSRHSILDTHGRKERYVLYIRPSHIH RRFDAKGNEIEPNFSATRKVNTGFLMSSYKVEAKGDTDRLTPEALKGLVKNPELLALTESLTPDHTVAF WMPESMEVMELELGAGVRLKTRGDGPFLDSLAKLEAGTVTKCNFTGDGKTGASWTDNIMAQKCSKGA AA EIREQGDGAEEDEWDD</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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.
RefSeq:	NP_872422
RefSeq Size:	6114
RefSeq ORF:	678
Synonyms:	C15orf38
Locus ID:	348110
UniProt ID:	Q7Z6K5


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Cytogenetics: 15q26.1

Summary: Regulates actin polymerization by inhibiting the actin-nucleating activity of the Arp2/3 complex; the function is competitive with nucleation promoting factors. Participates in an incoherent feedforward loop at the lamellipodium tip where it inhibits the ARP2/2 complex in response to Rac signaling and where Rac also stimulates actin polymerization through the WAVE complex. Involved in steering cell migration by controlling its directional persistence. [UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified ARPIN protein (Cat# [TP308793]). The protein was produced from HEK293T cells transfected with ARPIN cDNA clone (Cat# [RC208793]) using MegaTran 2.0 (Cat# [TT210002]).