

## Product datasheet for **TP308793**

### **C15orf38 (ARPIN) (NM\_182616) Human Recombinant Protein**

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human chromosome 15 open reading frame 38 (C15orf38), 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone** >RC208793 protein sequence

**or AA Sequence:** **Red**=Cloning site **Green**=Tags(s)

MSRIYHDGALRNKAVQSVRLPGAWDPAAHQGGNGVLLEGELIDVSRHSILDTHGRKERYVLYIRPSHIH  
RRKFDAKGNEIEPNFSATRKVNTGFLMSSYKVEAKGDTDRLTPEALKGLVKNPELLALTESLTPDHTVAF  
WMPESMEVMELELGAGVRLKTRGDGPFLDSLAKLEAGVTKCNFTGDGKTGASWTDNIMAQKCSKGA  
AAEIREQGDGAEDEEWDD

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 24.8 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.

**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\\_872422](#)

**Locus ID:** 348110

**UniProt ID:** [Q7Z6K5](#)



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RefSeq Size: 6114

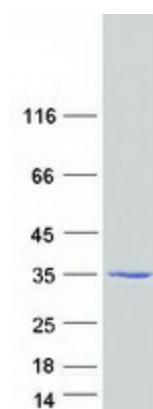
Cytogenetics: 15q26.1

RefSeq ORF: 678

Synonyms: C15orf38

**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]).