

## Product datasheet for TP311947

### C1orf69 (IBA57) (NM\_001010867) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human chromosome 1 open reading frame 69 (C1orf69), 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC211947 representing NM\_001010867

**Red**=Cloning site **Green**=Tags(s)

MATAALLRGATPGRGGPVWRWRLRAAPRCRLAHSSCSPGGDPTAGAAWACFRLDGRTLLRVRGPDAAAPFL  
LGLLTNELPLPSPAAAGAPPAARAGYAHFLNVQGRITLYDVILYGLQEHSEVSGFLLCEDSSVQGALQKHL  
ALYRIRRKVTVEPHPELRVWAVLPSSPEACGAASLQERAGAAAILIRDPRTARMGWRLLTQDEGPALVPG  
GRLGDLWDYHQHRYLQGVPEGVRLPVGVALPLESNLAFMNGVSFTKGCYIGQELTARTHMGVIRKRLF  
PVRFLDPLPTSGITPGATVLTASGQTVGKFRAGQGNVGLALLWSEKIKGPLHIRASEGAQVALAASVPDW  
WPTVSK

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 38 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\\_001010867](#)

**Locus ID:** 200205



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UniProt ID: [Q5T440](#)

RefSeq Size: 7817

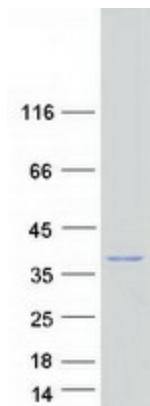
Cytogenetics: 1q42.13

RefSeq ORF: 1068

Synonyms: C1orf69; MMDS3; SPG74

**Summary:** The protein encoded by this gene localizes to the mitochondrion and is part of the iron-sulfur cluster assembly pathway. The encoded protein functions late in the biosynthesis of mitochondrial 4Fe-4S proteins. Defects in this gene have been associated with autosomal recessive spastic paraplegia-74 and with multiple mitochondrial dysfunctions syndrome-3. Two transcript variants encoding different isoforms have been found for this gene. The smaller isoform is not likely to be localized to the mitochondrion since it lacks the amino-terminal transit peptide. [provided by RefSeq, Jul 2015]

### Product images:



Coomassie blue staining of purified IBA57 protein (Cat# TP311947). The protein was produced from HEK293T cells transfected with IBA57 cDNA clone (Cat# [RC211947]) using MegaTran 2.0 (Cat# [TT210002]).