

Recombinant Human IBA57 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. IBA57-6341H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	C1orf69 MS Standard C13 and N15-labeled recombinant protein (NP_001010867) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	38 kDa
AA Sequence	MATAALLRGATPGRGGPVWRWRLRAAPRCRLAHSSCSPGGDPTAGAAWACFRLD GRTLLRVGPDAAPFLLGLLTNELPLPSPAAAGAPPAARAGYAHFLNVQGRTLYDVI LYGLQEHSEVSGFLLCEDSSVQGalQKHLALYRIRRKVTVEPHPELRVWAVLPSSPE ACGAASLQERAGAAAILIRDPRTARMGWRLLTQDEGPALVPGGRLGDLWDYHQHR YLQGVPEGVRDLPPGVALPLESNLAFMNGVSFTKGCIYQELTARTHHMGVIRKRLF PVRFLDPLPTSGITPGATVLTASGQTVGKFRAGQGNVGLALLWSEKIKGPLHIRASE

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GAQVALAASVPDWWPTVSKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	IBA57 iron-sulfur cluster assembly factor IBA57 [Homo sapiens (human)]
Official Symbol	IBA57
Synonyms	IBA57; IBA57, iron-sulfur cluster assembly homolog (S. cerevisiae); C1orf69, chromosome 1 open reading frame 69; putative transferase CAF17, mitochondrial; FLJ12734; iron sulfur cluster assembly factor for biotin synthase and aconitase like mitochondrial proteins; with a mass of 57kDa; iron-sulfur cluster assembly factor homolog; putative transferase C1orf69, mitochondrial; iron-sulfur cluster assembly factor for biotin synthase- and aconitase-like mitochondrial proteins, with a mass of 57kDa; C1orf69; FLJ13849;
Gene ID	200205
mRNA Refseq	NM_001010867

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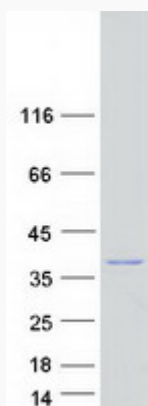
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Protein Refseq NP_001010867

MIM 615316

UniProt ID Q5T440

SDS-PAGE



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