

Recombinant Human C12orf65 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. C12orf65-6454H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	C12orf65 MS Standard C13 and N15-labeled recombinant protein (NP_689482) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This nuclear gene encodes a mitochondrial matrix protein that appears to contribute to peptide chain termination in the mitochondrial translation machinery. Two different 1 bp deletions (resulting in the same premature stop codon) result in decreased mitochondrial translation, decreased levels of oxidative phosphorylation complexes and encephalomyopathy. Alternative splicing results in multiple transcript variants.
Molecular Mass	18.8 kDa
AA Sequence	MSTVGLFHPTPLTRICPAPWGLRLWEKLTLLSPGIAVTPVQMAGKKDYPALLSLDE NELEEQFVKGHGPGGQATNKTSNCVVLKHIPSGIVVKCHQTRSVDQNRKLARKILQE KVDVFYNGENSPVHKEKREAAKKKQERKKRAKETLEKKLLKELWESSKKVHTRTR PLEQKLISEEDLAANDILDYKDDDDKV
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.

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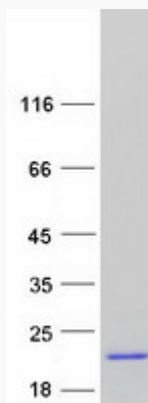
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Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	C12orf65 chromosome 12 open reading frame 65 [Homo sapiens (human)]
Official Symbol	C12orf65
Synonyms	C12orf65; chromosome 12 open reading frame 65; CL065_HUMAN; COXPD7; mitochondrial; Probable peptide chain release factor C12orf65; probable peptide chain release factor C12orf65, mitochondrial; SPG55;
Gene ID	91574
mRNA Refseq	NM_152269
Protein Refseq	NP_689482
MIM	613541
UniProt ID	Q9H3J6

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SDS-PAGE

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