

Recombinant Human C12orf65, GST-tagged

Cat. No. C12orf65-10376H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human C12orf65 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	11-94a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	C12orf65 chromosome 12 open reading frame 65 [Homo sapiens (human)]
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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_001143905.2
Protein Refseq	NP_001137377.1
MIM	613541
UniProt ID	Q9H3J6
Chromosome Location	12q24.31
Function	translation release factor activity