

## Product datasheet for **TP761480**

### **C3ORF31 (TAMM41) (NM\_138807) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human chromosome 3 open reading frame 31 (C3orf31), nuclear gene encoding mitochondrial protein, full length, with N-terminal HIS tag, expressed in E.coli, 50ug
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	A DNA sequence encoding human full-length C3orf31
<b>Tag:</b>	N-His
<b>Predicted MW:</b>	35.7 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_620162</a>
<b>Locus ID:</b>	132001
<b>UniProt ID:</b>	<a href="#">Q96BW9</a>
<b>RefSeq Size:</b>	1311
<b>Cytogenetics:</b>	3p25.2
<b>RefSeq ORF:</b>	948
<b>Synonyms:</b>	C3orf31; RAM41; TAM41



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**Summary:**

Catalyzes the formation of CDP-diacylglycerol (CDP-DAG) from phosphatidic acid (PA) in the mitochondrial inner membrane. Required for the biosynthesis of the dimeric phospholipid cardiolipin, which stabilizes supercomplexes of the mitochondrial respiratory chain in the mitochondrial inner membrane.[UniProtKB/Swiss-Prot Function]

**Protein Families:**

Transcription Factors

**Product images:**