

#### OriGene Technologies, Inc.

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# Product datasheet for TP306334L

### MRPL13 (NM\_014078) Human Recombinant Protein

#### **Product data:**

Description:Recombinant protein of human mitochondrial ribosomal protein L13 (MRPL13), nuclear gene encoding mitochondrial protein, 1 mgSpecies:HumanExpression Host:HEX93TExpression cDNA ClowRedeClobal sequence RedeCloning site Green=Tags(s)Freession cDNA ClowRedeClobal sequence RedeClobal sequence SequenceRedeClobal sequence RedeClobal sequence RedeClobal sequence RedeClobal sequence SequenceTag:ConstitutionConstitution Sequence SequenceSequence Sequence SequenceTag:ConstitutionSequence Sequence Sequence Sequence Sequence SequenceSequence Sequence SequenceTag:ConstitutionSequence Sequence Sequence Sequence Sequence SequenceSequence Sequence Sequence Sequence Sequence SequenceTag:ConstitutionSequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence S	Product Type:	Recombinant Proteins
Expression Host:HEK293TExpression cDNA coloRc206334 protein sequence Rc20Cloning site Green-Tags(s)FXB-Sequence:Rc206334 protein sequence Rc20Cloning site Green-Tags(s)MSSFSRAPQQWATFARIWYLLDGKMQPPGKLAAMASIRLQGLHKPYYHALSDCGDHVVIMNTRHIAFSGN WEQKVYSSHTGYPGGFRQVTAAQLHLRDPVAIVKLAIYGMLPKNLHRRTMMERLHLFPDEYIPDILKN LVEELPQRKIPKRLDEYTQEEIDAFPRLWTPPEDYRLTRRPLEQKLISEEDLAANDILDYKDDDDKVTag:C-Myc/DDKPredicted MW:20.5 kDaOncentration:>0.05 µg/µL as determined by microplate BCA methodPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingPurity:>20.5 mM Tris-HCI, 100 mM glycine, pH 7.3, 10% glycerolPreparation:Rcombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:Sor at s0°C.Storage:Sor at s0°C.Stability:Sable for 12 months from the date of receipt of the product under proper storage and handing conditions. Avoid repeated freeze-thaw cycles.RefSeq:M. 2054797Locus ID:8998	Description:	
SubscienceRC206334 protein sequence Rcd=Cloning site Green=Tags(s)RC4=Cloning site Green=Tags(s)MSSFSRAPQQWATFARIWYLLDGKMQPPGKLAAMASIRLQGLHKPVYHALSDCGDHVVIMNTRHIAFSGN KWEQKVYSSHTGYPGGFRQVTAAQLHLRDPVAIVKLAIYGMLPKNLHRRTMMERLHLPDEYIPEDILKN LVEELPQPRKIPKRLDEYTQEEIDAFPRLWTPPEDYRLTRTRPLEQKLISEEDLAANDILDYKDDDDKVTag:C-Mc/DDKPredicted MW:0.5 kDaOncentration:0.05 µg/µL as determined by microplate BCA methodPurity:0.05 µg/µL as determined by SDS-PAGE and Coomassie blue stainingBuffer:0.5 mM Tris-HCI 100 mM glycine, pH 7.3, 10% glycerolPreparation:Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:Sor esting in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:Stora 4.80°C.Stability:Stabel for 12 months from the date of receipt of the product under proper storage and handing conditions. Avoid repeated freeze-thaw cycles.RefSeq:M. 263797Locus ID:8998	Species:	Human
or AA Sequence:Red=Cloning site Green=Tags(s)MSSFSRAPQQWATFARIWYLLDGKMQPPGKLAAMASIRLQGLHKPVYHALSDCGDHVVIMNTRHIAFSGN KWEQKVYSSHTGYPGGFRQVTAAQLHLRDPVAIVKLAIYGMLPKNLHRRTMMERLHLFPDEYIPEDILKN LVEELPQPRKIPKRLDEYTQEEIDAFPRLWTPPEDYRLTag:CMc/DKTrag:C-Myc/DDKPredicted MW:20.5 kDaConcentration:>0.05 µg/µL as determined by microplate BCA methodPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:0.5 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerolPreparation:Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:Sor at -80°C.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:MP 054797Locus ID:28998	Expression Host:	HEK293T
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	RefSeq:	<u>NP 054797</u>
UniProt ID: <u>Q9BYD1</u>	Locus ID:	28998
	UniProt ID:	<u>Q9BYD1</u>



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	MRPL13 (NM_014078) Human Recombinant Protein – TP306334L
RefSeq Size:	1119
Cytogenetics:	8q24.12
RefSeq ORF:	534
Synonyms:	L13; L13A; L13mt; RPL13; RPML13
Summary:	Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 39S subunit protein. [provided by RefSeq, Jul 2008]
Protein Pathway	s: Ribosome

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## **Product images:**

188	_	
98	-	
62	_	
49	-	
38	—	
28	_	
17	_	_
14	_	
63	=	

Coomassie blue staining of purified MRPL13 protein (Cat# [TP306334]). The protein was produced from HEK293T cells transfected with MRPL13 cDNA clone (Cat# [RC206334]) using MegaTran 2.0 (Cat# [TT210002]).

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