

# Product datasheet for TP308911M

## MRPS17 (NM\_015969) Human Recombinant Protein

### **Product data:**

Description:Recombinant protein of human mitochondrial ribosomal protein S17 (MRPS17), nuclear gene encoding mitochondrial protein, 100 µgSpecies:HumanExpression Host:HEX293TExpression cDNA Cloop or AA Sequence:Red208911 protein sequence Red=Cloning site Green=Tags(s)MSVVRSSVHARWIVGKVIGTKMQKTAKVRVTRLVLDPYLLKYFNKRKTYFAHDALQQCTVGDIVLLRALP VPRAKHVKHELAEIVFKVGKVIDPVTGKPCAGTTYLESPLSSETTQLSKNLEELNISSAQTag:C-Myc/DDKTag:C-Myc/DDKYendicted MW:14.3 kDaConcentration:0.05 µg/µL as determined by microplate BCA methodPurity:S80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:Communication protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:Stable for 12 months from the date of receipt of the product under proper storage and handing conditions. Avoid repeated freeze-thaw cycles.RefSeq:Np 507053Locus ID:S1373UniProt ID:Q9Y2RSMoreG0	Product Type:	Recombinant Proteins
Expression Host:HEK293TExpression CDNA CloopRC208911 protein sequence Red=Cloning site Green=Tags(s)RCDMSVVRSSVHARWIVGKVIGTKMQKTAKVRVTRLVLDPYLLKYFNKRKTYFAHDALQQCTVGDIVLLRALP VPRAKHVKHELAEIVFKVGKVIDPVTGKPCAGTTYLESPLSSETTQLSKNLEELNISSAQTag:CMyc/DDKTag:C-Myc/DDKPredicted MW:14.3 kDaConcentration:0.05 µg/µL as determined by microplate BCA methodPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:0.51 µg/µL as determined by microplate BCA methodNote:Scombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:Sore at-80°C.Storage:Stable for 12 months from the date of receipt of the product under proper storage and anding conditions. Avoid repeated freeze-thaw cycles.RefSeq:NP_057053Locus ID:Gy2XES	Description:	
Expression cDNA CloomRRC208911 protein sequence Red=Cloning site Green=Tags(s)MSVVRSSVHARWIVGKVIGTKMQKTAKVRVTRLVLDPYLLKYFNKRKTYFAHDALQQCTVGDIVLLRALP VPRAKHVKHELAEIVFKVGKVIDPVTGKPCAGTTYLESPLSSETTQLSKNLEELNISSAQTag:TTTRPLEQKLISEEDLAANDILDYKDDDDKVTag:C-Myc/DDKPredicted MW:14.3 kDaConcentration:>0.05 µg/µL as determined by microplate BCA methodPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:0.51 µg/µL as determined by microplate BCA methodPreparation:Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:Stole for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.RefSeq:NP_057053Locus ID:0.92YZBS	Species:	Human
or AA Sequence:Red=Cloning site Green=Tags(s)MSVVRSSVHARWIVGKVIGTKMQKTAKVRVTRLVLDPYLLKYFNKRKTYFAHDALQQCTVGDIVLLRALP VPRAKHVKHELAEIVFKVGKVIDPVTGKPCAGTTYLESPLSSETTQLSKNLEELNISSAQTag:C-Myc/DDKTag:C-Myc/DDKPredicted MW:14.3 kDaConcentration:>0.05 µg/µL as determined by microplate BCA methodPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:25 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:So for esting in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:Stole for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.RefSeq:NP 057053Locus ID:S1373UniProt ID:Q9YZRS	Expression Host:	HEK293T
VPRAKHVKHELAEIVFKVGKVIDPVTGKPCAGTTYLESPLSSETTQLSKNLEELNISSAQTRTRPLEQKLISEEDLAANDILDYKDDDDKVTag:C-Myc/DDKPredicted MW:14.3 kDaConcentration:>0.05 µg/µL as determined by microplate BCA methodPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:25 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:For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.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:NP 057053Locus ID:09Y2R5	•	
Tag:C-Myc/DKPredicted MW:14.3 kDaConcentration:>0.05 µg/µL as determined by microplate BCA methodPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:25 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:For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.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:NP 057053Locus ID:S1373UniProt ID:OY22R5		
Predicted MW:14.3 kDaConcentration:>0.05 µg/µL as determined by microplate BCA methodPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:25 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:For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.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:NP 057053Locus ID:51373UniProt ID:QY2R5		TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Concentration:>0.05 µg/µL as determined by microplate BCA methodPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:25 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:For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:Store at -80°C.RefSeq:NP 057053Locus ID:51373UniProt ID:QY2R5	Tag:	C-Myc/DDK
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handling conditions. Avoid repeated freeze-thaw cycles.RefSeq:NP 057053Locus ID:51373UniProt ID:Q9Y2R5	Storage:	Store at -80°C.
Locus ID: 51373   UniProt ID: Q9Y2R5	Stability:	
UniProt ID: <u>Q9Y2R5</u>	RefSeq:	<u>NP 057053</u>
	Locus ID:	51373
RefSeg Size: 600	UniProt ID:	<u>Q9Y2R5</u>
	RefSeq Size:	600



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#### OriGene Technologies, Inc.

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	MRPS17 (NM_015969) Human Recombinant Protein – TP308911M
Cytogenetics:	7p11.2
RefSeq ORF:	390
Synonyms:	HSPC011; MRP-S17; RPMS17; S17mt
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 28S subunit protein that belongs to the ribosomal protein S17P family. The encoded protein is moderately conserved between human mitochondrial and prokaryotic ribosomal proteins. Pseudogenes corresponding to this gene are found on chromosomes 1p, 3p, 6q, 14p, 18q, and Xq. [provided by RefSeq, Jul 2008]
Protein Families	: Druggable Genome

# **Product images:**

116 —	
66 —	
45 —	
35 —	
25 —	
18 —	-
14	

Coomassie blue staining of purified MRPS17 protein (Cat# [TP308911]). The protein was produced from HEK293T cells transfected with MRPS17 cDNA clone (Cat# [RC208911]) using MegaTran 2.0 (Cat# [TT210002]).

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