

#### OriGene Technologies, Inc.

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# Product datasheet for PH300137

#### TMEM38B (NM\_018112) Human Mass Spec Standard

### Product data:

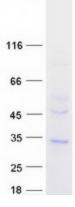
Description:TMEM38B MS Standard C13 and N15-labeled recombinant protein (NP_060582)Species:HumanSpecies:HumanExpression DNA ClomRe200137Predicted MW:3.2.5 kDaPredicted MW:3.5.6 Clow137 protein sequence Red-cloning site Green=Tags(s)Protein Sequence:Re200137 protein sequence Red-cloning site Green=Tags(s)The Dispuble LALAFSRTSMFFFFIAHPULVSVMAVKROPGAALAMKNPISSMFTAMLHCFGGGILSCLLLA Frepkr.KLAMITMITLASSIW/ITFFCPHOLVSQ0YS1LPVQLLASGMFTAMLHCFGGGILSCLLLA Setting Red-clowing site Green=Tags(s)Tag:CompositionTag:	Product Type:	Mass Spec Standards
Fxpression Host:HEK293Fxpression DDNA ClossRC200137Predicted MW:3.2.5 kDaProtein Sequence:RC200137 protein sequence Red=Cloning site Green-Tags(s)Protein Sequence:RC200137 protein sequence Red=Cloning site Green-Tags(s)MDSPWDELLALPSRTSMFFFFDLAHVLVSWAVKROPGAAALAWKNPISSWFTAMLHCFGGGLLSCLLLAG VSWAKHTKKNPECGWLKMSVPAKVTLLGSVIFTPGHTQHLJSKNHLMF LYTIFIVATKITIMETQTSMFFEDPLALWSOPSSVEKVSEAASPSNGVGSLASKPVDVASD VXKKHTKKNPTag:TRTRPLEQKLISEEDLAANDILDYKDDDDKVTag:0.05 µg/µL as determined by SDS-PAGE and Coomassie blue stainingConcentration:0.05 µg/µL as determined by microplate BCA methodIabeling Method:Labeld with [U-13C6, 15N4]-LArginine and [U-13C6, 15N2]-LysineBuffer:0.50 mTris-HC1, 100 mM glycine, pH 7.3Storage:Stora 4.80°C. Avoid repeated freeze-thaw cycles.Stability:Stabe for 3 months from receipt of products under proper storage and handling conditionsRefSeq:0.91 0.60582RefSeq ORF:0.51 SAStorage:0.51 SAStorage:0.51 SAStorage:0.51 SAStorage:0.52 Norths from receipt of products under proper storage and handling conditionsRefSeq ORF:0.51 SAStorage:0.51 SAStorage:0.51 SAStorage:0.51 SAStorage:0.52 SARefSeq ORF:0.52 SAStorage:0.51 SAStorage:0.51 SAStorage:0.51 SAStorage:0.51 SAStorage:0.51 SAStorage:	Description:	TMEM38B MS Standard C13 and N15-labeled recombinant protein (NP_060582)
Presession cDNA CloomsRC200137Predicted MW:3.5 kDaProtein Sequence:RC200137 protein sequence Red=Cloning site Green=Tags(s)Protein Sequence:NDSPWDELALAFSRTSMFPFFDIAHYLVSVMAVKRQPGAAALAWKNPISSWFTAMLHCFGGGILSCLLLA SPPUKFLANHTNILLASSIWTIFFCPHDU/SQGYSVLPVQLLASGMKEVTRWKIVGGVTHANSYYKNG WIVMAIGGAGGTIITNFERLVKGDWKPEGDEWLKMSYPAKVTLLGSVIFTPUHTQHAISKHNMF LYTIFIVATKITMTIQTSMTFAPFEDTLSWLLFGWQPFSSCEKKSEAKSPSNGVGSLASKPVDVASD NVKKKHTKKNETag:CMyc/DDKTag:CMyc/DDKPurity:S0% as determined by SDS-PAGE and Coomassie blue stainingConcentration:0.05 µg/µL as determined by microplate BCA methodBuffer:0.05 µg/µL as determined by microplate BCA methodBuffer:0.05 µg/µL as determined by microplate BCA methodStorage:0.05 µg/µL as determined by microplate BCA methodStorage:0.05 µg/µL as determined by microplate BCA methodBuffer:0.05 µg/µL as determined by microplate BCA methodBuffer:0.05 µg/µL as determined by microplate BCA methodFacesquence:0.05 µg/µL as determined by microplate BCA methodBuffer:0.05 µg/µL as determined by microplate BCA methodBuffer:0.05 µg/µL as determined properties and µL	Species:	Human
or AA Sequence:Predicted MW:32.5 kDaProtein Sequence:>RC200137 protein sequence Red=Cloning site Green=Tags(s)MDSPWDELALAFSRTSMFPFFDIAHYLVSVMAVKRQPGAAALAWKNPISSWFTAMLHCFGGGILSCLLLA EPPLKFLANHTNILLASSIWTFFCPHDVSSQFSVLPVQLLASGMKEYTRTMKIVGGTHAASSYNNG WIVMIAIGWARGAGGTIINFERLVKGDWKPEGDEWLKMSYPAKVTLLGSVIFFPQHTQHLAISKHNLMF EPPLKFLANHTNILLASSIWTFFCPHDVSSQFSVLPVQLLASGMKEYTRTMKIVGGTHAASSYNNG WIVMIAIGWARGAGGTIINFERLVKGDWKPEGDEWLKMSYPAKVTLLGSVIFFPQHTQHLAISKHNLMF EPPLKFLANHTNILLASSIWTFFCPHDVSSQFSVLPVQLLASGMKEYTRTMKIVGGTHAASSYNNG WIVMIAIGWARGAGGTIINFERLVKGDWKPEGDEWLKMSYPAKVTLLGSVIFFPQHTQHLAISKHNLMF EPPLKFLANHTNTLSSMFTAMLFGCMQPFSSCEKKSEASPSNQGSLASKPDVASD NVKKHTKKNETag:CMOSCDE CMVC/DDKFag:CMyc/DDKPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingGoncentration:>0.05 µg/µL as determined by microplate BCA methodBuffer:>0.05 µg/µL as determined by microplate BCA methodBuffer:>0.05 µg/µL as determined freeze-thaw cycles.Storage:>0.05 µg/µC as determined freeze-thaw cycles.Storage: </th <th>Expression Host:</th> <th>HEK293</th>	Expression Host:	HEK293
Protein Sequence:Rc200137 protein sequence Red=Cloning site Green=Tags(s)MDSPWDELALAFSRTSMFPFFDIAHYLVSVMAVKR0PGAAALAWKNPISSWFTAMLHCFGGGILSCLLIA EPPLKFLANHTNILLASSIWTIFFCPHDLVSQGYSVLPVQLLASGMKEVTRTWKIVGGVTHANSYYKNG WTVMIATGWARGAGGTIITNFERLVKGDWKPEGDEWLKMSYPAKVTLLGSVIFFQHDQHAISKHNLMF LYTIFIVATKITMMTTQTSTMTFAPFEDTLSWMLFGWQQPFSSCEKKSEAKSPSNGVGSLASKPVDVASD WXVKKHTKNETag:CMCPurity:S0% as determined by SDS-PAGE and Coomassie blue stainingFoncentration:>0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:0.51 µg/µL as determined by microplate BCA methodStorage:Store at -80°C. Avoid repeated freeze-thaw cycles.Stability:Store at -80°C. Avoid repeated freeze-thaw cycles.RefSeq:MD 600582RefSeq Size:3558RefSeq ORF:873Synonyms:bal21918.1; C9orf87; D4Ertd89e; O114; TRIC-B; TRICB	•	RC200137
Red=Cloning site Green=Tags(s)MDSPWDELALAFSRTSMFPFFDIAHYLVSVMAVKRQPGAAALAWKNPISSWFTAMLHCFGGGILSCLLLA EPPLKFLANHTNILLASSIW/ITFFCPHDLVSQGYSVLPVQLLASGMKEVTRTWKIVGGVTHANSYYKNG WIVMIAIGWARGAGGTIITNFERLVKGDWKPEGDEWLKMSYPAKVTLLGSVIFTFQHTQHLAISKHNLMF LYTIFIVATKITMMTTQTSTMTFAPFEDTLSWMLFGWQQPFSSCEKKSEAKSPSNGVGSLASKPVDVASD NVKKKHTKKNETag:C-Myc/DDKPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:> 0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage:Store at -80°C. Avoid repeated freeze-thaw cycles.Stability:Stable for 3 months from receipt of products under proper storage and handling conditions.RefSeqNP 060582RefSeq ORF:873Synonyms:bA219P18.1; C9orf87; D4Ertd89e; OI14; TRIC-B; TRICB	Predicted MW:	32.5 kDa
EPPLKFLANHTNILLASSIWYITFFCPHDLVSQGYSYLPVQLLASGMKEVTRTWKIVGGVTHANSYYKNG WIVMIAIGGWARGAGGTITNFERLVKGDWKPEGDEWLKMSYPAKVTLLGSVIFTFOHTQHLAISKHNLMF VIVMIAIGGWARGAGGTITNFERLVKGDWKPEGDEWLKMSYPAKVTLLGSVIFTFOHTQHLAISKHNLMF privition in the transference of transference	Protein Sequence:	
Tag:C-Myc/DDKPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:> 0.05 µg/µ as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-Lysine]Buffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Korage:Store at -80°C. Avoid repeated freeze-thaw cycles.Stability:Stable for 3 months from receipt of products under proper storage and handling conditions.RefSeq Size:NP 060582RefSeq ORF:833Buffer:Stability: Gas MathematicationBuffer:Stability: Gas MathematicationBuffer:Stability: Gas MathematicationRefSeq ORF:BathematicationBuffer:Stability: Gas MathematicationBuffer:Stability: Gas Mathematication <th></th> <th>EPPLKFLANHTNILLASSIWYITFFCPHDLVSQGYSYLPVQLLASGMKEVTRTWKIVGGVTHANSYYKNG WIVMIAIGWARGAGGTIITNFERLVKGDWKPEGDEWLKMSYPAKVTLLGSVIFTFQHTQHLAISKHNLMF LYTIFIVATKITMMTTQTSTMTFAPFEDTLSWMLFGWQQPFSSCEKKSEAKSPSNGVGSLASKPVDVASD</th>		EPPLKFLANHTNILLASSIWYITFFCPHDLVSQGYSYLPVQLLASGMKEVTRTWKIVGGVTHANSYYKNG WIVMIAIGWARGAGGTIITNFERLVKGDWKPEGDEWLKMSYPAKVTLLGSVIFTFQHTQHLAISKHNLMF LYTIFIVATKITMMTTQTSTMTFAPFEDTLSWMLFGWQQPFSSCEKKSEAKSPSNGVGSLASKPVDVASD
Purity:> 80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:> 0.05 μg/μL as determined by microplate BCA methodLabeling Method:Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage:Store at -80°C. Avoid repeated freeze-thaw cycles.Stability:Stable for 3 months from receipt of products under proper storage and handling conditions.RefSeq:NP 060582RefSeq ORF:873Synonyms:bA219P18.1; C9orf87; D4Ertd89e; O114; TRIC-B; TRICB		TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Concentration:>0.05 μg/μL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage:Store at -80°C. Avoid repeated freeze-thaw cycles.Stability:Stable for 3 months from receipt of products under proper storage and handling conditions.RefSeq:NP 060582RefSeq Size:3558RefSeq ORF:873Synonyms:bA219P18.1; C9orf87; D4Ertd89e; O114; TRIC-B; TRICB	Tag:	C-Myc/DDK
Labeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage:Store at -80°C. Avoid repeated freeze-thaw cycles.Stability:Stable for 3 months from receipt of products under proper storage and handling conditions.RefSeq:NP 060582RefSeq Size:3558RefSeq ORF:873Synonyms:bA219P18.1; C9orf87; D4Ertd89e; O114; TRIC-B; TRICB	Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage:Store at -80°C. Avoid repeated freeze-thaw cycles.Stability:Stable for 3 months from receipt of products under proper storage and handling conditions.RefSeq:NP 060582RefSeq Size:3558RefSeq ORF:873Synonyms:bA219P18.1; C9orf87; D4Ertd89e; Ol14; TRIC-B; TRICB	Concentration:	>0.05 µg/µL as determined by microplate BCA method
Storage:Store at -80°C. Avoid repeated freeze-thaw cycles.Stability:Stable for 3 months from receipt of products under proper storage and handling conditions.RefSeq:NP 060582RefSeq Size:3558RefSeq ORF:873Synonyms:bA219P18.1; C9orf87; D4Ertd89e; Ol14; TRIC-B; TRICB	Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Stability:Stable for 3 months from receipt of products under proper storage and handling conditions.RefSeq:NP 060582RefSeq Size:3558RefSeq ORF:873Synonyms:bA219P18.1; C9orf87; D4Ertd89e; Ol14; TRIC-B; TRICB	Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
RefSeq: NP 060582   RefSeq Size: 3558   RefSeq ORF: 873   Synonyms: bA219P18.1; C9orf87; D4Ertd89e; Ol14; TRIC-B; TRICB	Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
RefSeq Size: 3558   RefSeq ORF: 873   Synonyms: bA219P18.1; C9orf87; D4Ertd89e; Ol14; TRIC-B; TRICB	Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq ORF: 873   Synonyms: bA219P18.1; C9orf87; D4Ertd89e; OI14; TRIC-B; TRICB	RefSeq:	<u>NP 060582</u>
Synonyms: bA219P18.1; C9orf87; D4Ertd89e; OI14; TRIC-B; TRICB	RefSeq Size:	3558
	RefSeq ORF:	873
Locus ID: 55151	Synonyms:	bA219P18.1; C9orf87; D4Ertd89e; OI14; TRIC-B; TRICB
	Locus ID:	55151



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	TMEM38B (NM_018112) Human Mass Spec Standard – PH300137
UniProt ID:	<u>Q9NVV0</u>
Cytogenetics:	9q31.2
Summary:	This gene encodes an intracellular monovalent cation channel that functions in maintenance of intracellular calcium release. Mutations in this gene may be associated with autosomal recessive osteogenesis. [provided by RefSeq, Oct 2012]
Protein Families	: Transmembrane

## **Product images:**



Coomassie blue staining of purified TMEM38B protein (Cat# [TP300137]). The protein was produced from HEK293T cells transfected with TMEM38B cDNA clone (Cat# [RC200137]) using MegaTran 2.0 (Cat# [TT210002]).

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