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## Datasheet for ABIN3126808 Tmc2 Protein (AA 1-888) (rho-1D4 tag)







## Overview

Quantity:	1 mg
Target:	Tmc2
Protein Characteristics:	AA 1-888
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Tmc2 protein is labelled with rho-1D4 tag.
Application:	Crystallization (Crys), ELISA, SDS-PAGE (SDS), Western Blotting (WB)

## **Product Details**

Sequence:	MSPQLKSLDE EGDKSARRPT RKQTSRAACP QDGHRAQSSR KDPAKGSPRP GSSRKKQMEH
	GSYHKGLQGQ KPRKVERSLQ GRKKDRRTSL KEQRASPKKE REALRKEAGK QLRKPRSTSL
	GSSVSTGDSL SEEELAQILE QVEEKKKLIT TVRNKPWPMA KKLRELREAQ AFVEKYEGAL
	GKGKGKHLYA YRMMMAKKWV KFKRDFDNFK TQCIPWEMKI KDIESHFGSS VASYFIFLRW
	MYGVNLVLFG LIFGLVIIPE VLMGMPYGSI PRKTVPRAEE ERAMDFSVLW DFEGYIKYSA
	LFYGYYNNQR TIGWLRYRLP MAYFMVGVSV FGYSLMIVIR SMASNTQGST SEGDSDSFTF
	SFKMFTSWDY LIGNSETADN KYVSITTSFK ESIVDEQESN KEGNIHLTRF LRVLANFLIL
	CCLCGSGYLI YFVVKRSQEF SKMQNVSWYE RNEVEIVMSL LGMFCPPLFE TIAALENYHP
	RTGLKWQLGR IFALFLGNLY TFLLALMDDV HLKLSNEEKI KNITHWTLFN YYNSSGGNES
	VPRPPPHPAD VPRGSCWETA VGIEFMRLTV SDMLVTYLTI LVGDFLRACF VRFMNHCWCW
	DLEAGFPSYA EFDISGNVLG LIFNQGMIWM GSFYAPGLVG INVLRLLTSM YFQCWAVMSS
	NVPHERVFKA SRSNNFYMGL LLLVLFLSLL PVAYTVMSLP PSFDCGPFSG KNRMYDVLHE

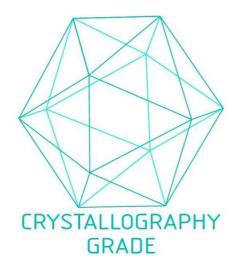
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ILLM FLAIYYLNSV SKSLSRANAQ LRKKIQALRE SKNATQ IHLTKEEPTS HSSSQIQTLD KKAQGPHTSS RDSGQPQS QTYTGRSPSG KRTQRPHN on is at the discretion of the manufacturer. If you have a s. to production - by highly experienced protein experts. Insect Cells) purified by multi-step, protein-specific process to for plasmid design (Gene synthesis). otein and will be made for the first time for your order. Our you receive a correctly folded protein. made-to-order proteins in comparison to ordering custom hies is that there is no financial obligation in case the protein in cannot be expressed or purified we do not charge anything by for any performed steps in the expression process for
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o make sure that you receive the protein you ordered.
nant proteins is measured using the absorbance at 280nm.
neasured in several dilutions and is measured against its
s calculated using its specific absorption coefficient. We use
ermine the absorption coefficient of each protein.
ne proteins expressed in baculovirus infected SF9 insect
ed by ultracentrifugation and subsequently solubilized with

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Product Details	
Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 µm filtered
Endotoxin Level:	Protein is endotoxin-free.
Grade:	Crystallography grade
Target Details	
Target:	Tmc2
Alternative Name:	Tmc2 (Tmc2 Products)
Background:	Probable ion channel required for the normal function of cochlear hair cells. {ECO:0000250}.
Molecular Weight:	102.3 kDa Including tag.
UniProt:	Q8R4P4
Application Details	
Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a gurantee though.
Comment:	Protein has not been tested for activity yet. In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)

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**Image 1.** "Crystallography Grade" protein due to multi-step, protein-specific purification process

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