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Datasheet for ABIN3133915 BMPR1B Protein (AA 149-502) (His tag)





Overview

Quantity:	1 mg
Target:	BMPR1B
Protein Characteristics:	AA 149-502
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BMPR1B protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), ELISA, Crystallization (Crys)

Product Details

Sequence:	RYKRQEARPR YSIGLEQDET YIPPGESLRD LIEQSQSSGS GSGLPLLVQR TIAKQIQMVK QIGKGRYGEV WMGKWRGEKV AVKVFFTTEE ASWFRETEIY QTVLMRHENI LGFIAADIKG TGSWTQLYLI TDYHENGSLY DYLKSTTLDA KSMLKLAYSS VSGLCHLHTE IFSTQGKPAI AHRDLKSKNI LVKKNGTCCI ADLGLAVKFI SDTNEVDIPP NTRVGTKRYM PPEVLDESLN
	RNHFQSYIMA DMYSFGLILW EIARRCVSGG IVEEYQLPYH DLVPSDPSYE DMREIVCMKK LRPSFPNRWS SDECLRQMGK LMTECWAQNP ASRLTALRVK KTLAKMSESQ DIKL Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.
Characteristics:	 Made in Germany - from design to production - by highly experienced protein experts. Mouse Bmpr1b Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade. State-of-the-art algorithm used for plasmid design (Gene synthesis).

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Product Details	
	This protein is a made to order protein and will be made for the first time for your order. Our
	experts in the lab will ensure that you receive a correctly folded protein.
	The big advantage of ordering our made-to-order proteins in comparison to ordering custom
	made proteins from other companies is that there is no financial obligation in case the protein
	cannot be expressed or purified.
	In the unlikely event that the protein cannot be expressed or purified we do not charge anything
	(other companies might charge you for any performed steps in the expression process for
	custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression
	experiments or purification optimization).
	When you order this made-to-order protein you will only pay upon receival of the correctly
	folded protein. With no financial risk on your end you can rest assured that our experienced
	protein experts will do everything to make sure that you receive the protein you ordered.
	The concentration of our recombinant proteins is measured using the absorbance at 280nm.
	The protein's absorbance will be measured in several dilutions and is measured against its
	specific reference buffer.
	The concentration of the protein is calculated using its specific absorption coefficient. We use
	the Expasy's protparam tool to determine the absorption coefficient of each protein.
Purification:	Two step purification of proteins expressed in baculovirus infected SF9 insect cells:
	 In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.
	 Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.
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:	BMPR1B
Alternative Name:	Bmpr1b (BMPR1B Products)

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On ligand binding, forms a receptor complex consisting of two type II and two type I

Background:

Target Details

activate type I I regulators. 9295). Ied:24098149).
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Expiry Date: Unlimited (if stored properly)



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

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