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PTPRG Protein (AA 20-1442) (rho-1D4 tag)



Overview

Quantity:	1 mg
Target:	PTPRG
Protein Characteristics:	AA 20-1442
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTPRG protein is labelled with rho-1D4 tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), ELISA, Crystallization (Crys)

Product Details

Sequence:

VLHYVVCFPA LTEGYVGTLQ ESRQDSSVQI RRRKASGDPY WAYSGAYGPE HWVTSSVSCG
GSHQSPIDIL DHHARVGDEY QELQLDGFDN ESSNKTWMKN TGKTVAILLK DDYFVSGAGL
PGRFKAEKVE FHWGHSNGSA GSEHSVNGRR FPVEMQIFFY NPDDFDSFQT AISENRIIGA
MAIFFQVSPR DNSALDPIIH GLKGVVHHEK ETFLDPFILR DLLPASLGSY YRYTGSLTTP
PCSEIVEWIV FRRPVPISYH QLEAFYSIFT TEQQDHVKSV EYLRNNFRPQ QALNDRVVSK
SAVRDAWNHD LADFLDNPLG TEASKVCSSP PIHMKVQPLN QTALQVSWSQ PETIYHPPIM
NYMISYSWTK NEDEKEKTFT KDSDKDLKAT ISHVSPDSLY LFRVQAVCRN DMRSDFSQTM
LFQANTTRIF QGTRIVKTGV PTASPASSAD MAPISSGSST WTSSGIPFSF VSMATGMGPS
SSGSQATVAS VVTSTLLAGL GFGGGGISSF PSTVWPTRLP TASAASKQAG RTVLATTEAL
ASPGPDVHSA PSKDSEGTEE GEKEEKSESE DGEREHEEEE KDSEKKEKSE ATHTAAESDR
TAPAPTPSSP HRTAAEGGHQ TIPGRRQDHS APATDQPGHV APDLDPLVDT ATQVPPTATE
EHYSGSDPRR PEMPSKKPMS RGDRFSEDSK FITVNPAEKN TSGMLSRPSP GRMEWIIPLI

VVSALTFVCL VLLIAVLVYW RGCNKIKSKG FPRRSREVPS SGERGEKGSR KCFQTAHFYV
EDSSSPRVVP NESVPIIPIP DDMEAIPVKQ FGKHIGELYS NSQHGFSEDF EEVQRCTADM
NITAEHSNHP DNKHKNRYIN ILAYDHSRVK LRPLPGKDSK HSDYINANYV DGYNKAKAYI
ATQGPLKSTF EDFWRMIWEQ NTGIIIMITN LVEKGRRKCD QYWPTENTEE YGNIIVTLKS
TKVHACYTVR RLSVRNTKVK KGQKGNPKGR QNERTVIQYH YTQWPDMGVP EYALPVLTFV
RRSSAARMPD MGPVLVHCSA GVGRTGTYIV IDSMLQQIKD KSTVNVLGFL KHIRTQRNYL
VQTEEQYIFI HDALLEAILG KETAVSSSQL HSYVNSILIP GVGGKTRLEK QFKLITQCNA
KYVECFSAQK ECNKEKNRNS SVVPAERARV GLAPLPGMKG TDYINASYIM GYYRSNEFII
TQHPLPHTTK DFWRMIWDHN AQIIVMLPDN QSLAEDEFVY WPSREESMNC EAFTVTLISK
DRLCLSNEEQ IIIHDFILEA TQDDYVLEVR HFQCPKWPNP DAPISSTFEL INVIKEEALT
RDGPTIVHDE YGAVSAGMLC ALTTLSQQLE NENAVDVFQV AKMINLMRPG VFTDIEQYQF
VYKAMLSLIS TKENGNGPMT GDKNGAVLTA EESDPAESME SLV

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 Ptprg 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).

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.

Product Details

Purification: Three step purification of membrane proteins expressed cells: 1. Membrane proteins are fractioned by ultracentry different detergents (detergent screen). Sample 2. The best performing detergent is used for solubly rho1D4 tag via two rho1D4 antibody columns: or fractions are analyzed by Western blot. 3. Protein containing fractions of the best purificant through size exclusion chromatograph. Eluate for Western blot. Purity: >95 % as determined by SDS PAGE, Size Exclusion Sterility: 0.22 µm filtered Endotoxin Level: Protein is endotoxin-free. Grade: Crystallography grade	rifugation and subsequently solubilized with es are analyzed by Western blot. bilization and the proteins are purified via their one DTT resistant, the other one not. Eluate tion are subjected to second purification step tractions are analyzed by SDS-PAGE and
1. Membrane proteins are fractioned by ultracentr different detergents (detergent screen). Sample 2. The best performing detergent is used for solub rho1D4 tag via two rho1D4 antibody columns: of fractions are analyzed by Western blot. 3. Protein containing fractions of the best purificate through size exclusion chromatograph. Eluate for Western blot. Purity: >95 % as determined by SDS PAGE, Size Exclusion Sterility: 0.22 µm filtered Endotoxin Level: Protein is endotoxin-free. Crystallography grade	es are analyzed by Western blot. bilization and the proteins are purified via their one DTT resistant, the other one not. Eluate tion are subjected to second purification step fractions are analyzed by SDS-PAGE and
Sterility: 0.22 µm filtered Endotoxin Level: Protein is endotoxin-free. Grade: Crystallography grade	n Chromatography and Western Blot.
Endotoxin Level: Protein is endotoxin-free. Grade: Crystallography grade	
Grade: Crystallography grade	
Target Details	
Target: PTPRG	
Alternative Name: Ptprg (PTPRG Products)	
Background: Possesses tyrosine phosphatase activity. {ECO:00	000250}.
Molecular Weight: 160.0 kDa Including tag.	
UniProt: Q05909	
Application Details	
Application Notes: In addition to the applications listed above we exp as well. As the protein has not been tested for functional though.	
Comment: Protein has not been tested for activity yet. In case recombinant protein with the default tag will be instanced molecular weight tag (e.g. GST-tag) instead to increoptions with you in detail to assure that you receive	soluble our protein lab may suggest a higher rease solubility. We will discuss all possible
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)