Datasheet for ABIN3094822

PTPRD Protein (AA 21-1265) (His tag)

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Overview

Quantity:	1 mg
Target:	PTPRD
Protein Characteristics:	AA 21-1265
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTPRD protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), Crystallization (Crys), ELISA

Product Details

Sequence:	ETPPRFTRTP VDQTGVSGGV ASFICQATGD PRPKIVWNKK GKKVSNQRFE VIEFDDGSGS VLRIQPLRTP RDEAIYECVA SNNVGEISVS TRLTVLREDQ IPRGFPTIDM GPQLKVVERT RTATMLCAAS GNPDPEITWF KDFLPVDTSN NNGRIKQLRS ESIGGTPIRG ALQIEQSEES DQGKYECVAT NSAGTRYSAP ANLYVRELRE VRRVPPRFSI PPTNHEIMPG GSVNITCVAV GSPMPYVKWM LGAEDLTPED DMPIGRNVLE LNDVRQSANY TCVAMSTLGV IEAIAQITVK ALPKPPGTPV VTESTATSIT LTWDSGNPEP VSYYIIQHKP KNSEELYKEI DGVATTRYSV AGLSPYSDYE FRVVAVNNIG RGPPSEPVLT QTSEQAPSSA PRDVQARMLS STTILVQWKE PEEPNGQIQG YRVYYTMDPT QHVNNWMKHN VADSQITTIG NLVPQKTYSV KVLAFTSIGD GPLSSDIQVI TQTGVPGQPL NFKAEPESET SILLSWTPPR SDTIANYELV YKDGEHGEEQ RITIEPGTSY RLQGLKPNSL YYFRLAARSP QGLGASTAEI SARTMQSKPS APPQDISCTS PSSTSILVSW QPPPVEKQNG IITEYSIKYT AVDGEDDKPH EILGIPSDTT KYLLEQLEKW TEYRITVTAH TDVGPGPESL SVLIRTNEDV PSGPPRKVEV EAVNSTSVKV SWRSPVPNKQ

	HGQIRGYQVH YVRMENGEPK GQPMLKDVML ADAQWEFDDT TEHDMIISGL QPETSYSLTV TAYTTKGDGA RSKPKLVSTT GAVPGKPRLV INHTQMNTAL IQWHPPVDTF GPLQGYRLKF GRKDMEPLTT LEFSEKEDHF TATDIHKGAS YVFRLSARNK VGFGEEMVKE ISIPEEVPTG FPQNLHSEGT TSTSVQLSWQ PPVLAERNGI ITKYTLLYRD INIPLLPMEQ LIVPADTTMT LTGLKPDTTY DVKVRAHTSK GPGPYSPSVQ FRTLPVDQVF AKNFHVKAVM KTSVLLSWEI PENYNSAMPF KILYDDGKMV EEVDGRATQK LIVNLKPEKS YSFVLTNRGN SAGGLQHRVT AKTAPDVLRT KPAFIGKTNL DGMITVQLPE VPANENIKGY YIIIVPLKKS RGKFIKPWES PDEMELDELL KEISRKRRSI RYGREVELKP YIAAHFDVLP TEFTLGDDKH YGGFTNKQLQ SGQEYVFFVL AVMEHAESKM YATSPYSDPV VSMDLDPQPI TDEEE **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. • Human PTPRD 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.
Purification:	Two step purification of proteins expressed in baculovirus infected SF9 insect cells: 1. 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

Product Details

	fractions are analyzed by SDS-PAGE. 2. 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:	PTPRD
Alternative Name:	PTPRD (PTPRD Products)
Molecular Weight:	139.1 kDa Including tag.
UniProt:	P23468
Pathways:	Synaptic Membrane

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:	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.

Handling

Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)

