

Datasheet for ABIN5608459

PTPRD Protein (partial) (His tag)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	PTPRD
Protein Characteristics:	partial
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTPRD protein is labelled with His tag.
Application:	Western Blotting (WB)

Product Details

Sequence:	Glu 21 - Glu 1265
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Endotoxin level is less than 1.0 EU per ug by the LAL method.

Target Details

Target:	PTPRD
Alternative Name:	PTPRD (PTPRD Products)
Background:	Receptor-type tyrosine-protein phosphatase delta is an enzyme that is encoded by the PTPRD gene. The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. PTPRD has

Target Details

been shown to interact with PTPRS and liprin-alpha-1. Studies of the similar genes in chick and fly suggest the role of this PTP is in promoting neurite growth, and regulating neurons axon guidance. Multiple tissue specific alternatively spliced transcript variants of this gene have been reported. Mutations in the PTPRD gene are associated with autism, obsessive-compulsive disorder, and breast cancer.

Molecular Weight:	140 kDa
Gene ID:	5789
NCBI Accession:	NP_002830
Pathways:	Synaptic Membrane

Application Details

Application Notes:	This recombinant protein can be used for WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C,-80 °C
Storage Comment:	Lyophilized Protein should be stored at -20°C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20°C or -70°C.