



Recombinant Human Receptor-type tyrosine-protein phosphatase delta (PTPRD), partial (Active)

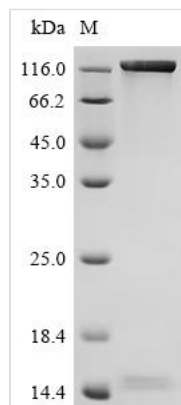
Product Code	CSB-MP019051HU(A4)
Abbreviation	Recombinant Human PTPRD protein, partial (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P23468
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm filtered PBS, 6% Trehalose, pH 7.4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human PTPRD protein at 2 µg/mL can bind Human IL1RAPL1 protein (CSB-MP011624HU1). The EC50 is 3.361-4.394 ng/mL.
Purity	Greater than 95% as determined by SDS-PAGE. Greater than 95% as determined by SEC-HPLC.
Sequence	ETPPRFTRTPVDQGTGVSGGVASFICQATGDPRPKIVWNKKGKKVSNQRFEVIE FDDGSGSVLRIQPLRTPRDEAIYECVASNNVGEISVSTRLTVLREDQIPRGFPTI DMGPQLKVVERTRTATMLCAASGNPDPEITWFKDFLPVDTSNNNGRIKQLRS ESIGGTPIRGALQIEQSEESDQGKYECVATNSAGTRYAPANLYVRELREVR VPPRFSIPPTNHEIMPGGSVNITCVAVGSPMPYVKWMLGAEDLTPEDDMPIGR NVLELNDVRQSANYTCVAMSTLGVIEAIAQITVKALPKPPGTPVVTESTATSITL TWDSGNPEPVSYYIIQHKPKNSEELYKEIDGVATTRYSVAGLSPYSDYEFVRVA VNNIGRGPPSEPVLTQTSEQAPSSAPRDVQARMLSTTILVQWKEPEEPNGQI QGYRVYYTMDPTQHVNNWMKHNVDASQITTIGNLVQKTYSVKVLAFSTIGD GPLSSDIQVITQTGVPGQPLNFKAEPESETSILLSWTPPRSDTIANVELVYKDG EHGEEQRITIEPGTSYRLQGLKPNSLYYFRLAARSPQGLGASTAEISARTMQSK PSAPPQDISCTSPSSTSILVSWQPPPVEKQNGIITEYSIKYTAVDGEDDKPHEIL GIPSDTTKYLLEQLEKWTEYRITVTAHTDVGPGPESLSVLIRTNEDVPSGPPRK VEVEAVNSTSVKVSWSRSPVPNKQHGQIRGYQVHYVRMENGEPKGPMLKDV MLADAQWEFDDTTEHDMIISGLQPETSYSLSLTVTAYTTKGDGARSKPKLVSTTG AVPGKPRLVINHTQMNTALIQWHPVDTFGPLQGYRLKFGRKDMEPLTTLEFS EKEDHFTATDIHKGASYVFRLSARNKVGFGGEEMVKEISIPEEVPTGFPQNLHSE GTTSTSVQLSWQPPVLAERNGIITKYTLTYRDINIPLLPMEQLIVPADTTMTLTGL KPDTTYDVKVRAHTSKGPGPYSPSVQFRTLTPVDQVFAKNFHVKAVMKTSVLL SWEIPENYNSAMPFKILYDDGKMVEEVDGRATQKLIVNLKPEKSYSFVLTNRG NSAGGLQHRVTAKTAPDVLRTKPAFIGKTNLDGMITVQLPEVPANENIKGYYIII



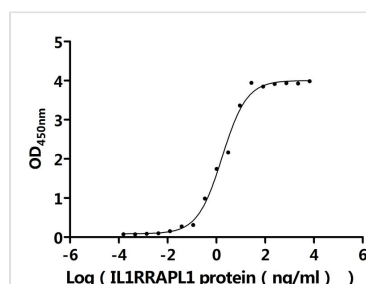
VPLKKSARGKFIKPWESPDEMEDELLEISRKRRSIRYGREVELKPYIAAHFDVL
PTEFTLGDDKHYYGGFTNKQLQSGQEYVFFVLAVMEHAESKMYATSPYSDPVV
SMDLDPQPITDEEE

Source	Mammalian cell
Target Names	PTPRD
Expression Region	21-1265aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal 10xHis-tagged
Mol. Weight	139.5 kDa
Protein Length	Partial

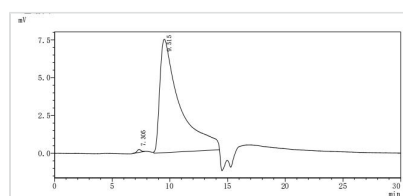
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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Activity
Measured by its binding ability in a functional ELISA. Immobilized Human PTPRD protein at 2 µg/ml can bind Human IL1RAPL1 protein (CSB-MP011624HU1). The EC₅₀ is 3.361-4.394 ng/mL.



The purity of PTPRD was greater than 95% as determined by SEC-HPLC

Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

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