

Product datasheet for **TP726887**

PTP4A2 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human PRL- 2/PTP4A2 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Met1-Gln167
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM Hepes,150mMNaCl,10mMβ-ME,pH7.4.
Note:	Recombinant Human Phosphatase of Regenerating Liver 2 is produced by our E.coli expression system and the target gene encoding Met1-Gln167 is expressed with a 6His tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	8073
UniProt ID:	Q12974
Synonyms:	Protein tyrosine phosphatase type IVA 2;PTP4A2;HU-PP-1;OV-1;PTP(CAAXII);Protein-tyrosine phosphatase 4a2;Protein-tyrosine phosphatase of regenerating liver 2;PRL-2
Summary:	PTP4A2, also known as PRL2 or PTPCAAX2, is short for Protein tyrosine phosphatase type IVA 2. This protein exists in cell membrane, cytoplasm, endosome and membrane. PTP4A2 is often farnesylated during post-translational modification. Farnesylation is required for membrane targeting and for interaction with RABGGTB. The unfarnesylated forms are redirected to the nucleus and cytosol. It can stimulate progression from G1 into S phase during mitosis and promotes tumors. It also inhibits geranylgeranyl transferase type II activity by blocking the association between RABGGTA and RABGGTB.
Protein Families:	Druggable Genome, Phosphatase



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