Recombinant Human Tyrosine-protein phosphatase non-receptor type 9 (PTPN9)

Product Code	CSB-EP019045HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P43378
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MEPATAPRPD MAPELTPEEE QATKQFLEEI NKWTVQYNVS PLSWNVAVKF LMARKFDVLR AIELFHSYRE TRRKEGIVKL KPHEEPLRSE ILSGKFTILN VRDPTGASIA LFTARLHHPH KSVQHVVLQA LFYLLDRAVD SFETQRNGLV FIYDMCGSNY ANFELDLGKK VLNLLKGAFP ARLKKVLIVG APIWFRVPYS IISLLLKDKV RERIQILKTS EVTQHLPREC LPENLGGYVK IDLATWNFQF LPQVNGHPDP FDEIILFSLP PALDWDSVHV PGPHAMTIQE LVDYVNARQK QGIYEEYEDI RRENPVGTFH CSMSPGNLEK NRYGDVPCLD QTRVKLTKRS GHTQTDYINA SFMDGYKQKN AYIGTQGPLE NTYRDFWLMV WEQKVLVIVM TTRFEEGGRR KCGQYWPLEK DSRIRFGFLT VTNLGVENMN HYKKTTLEIH NTEERQKRQV THFQFLSWPD YGVPSSAASL IDFLRVVRNQ QSLAVSNMGA RSKGQCPEPP IVVHCSAGIG RTGTFCSLDI CLAQLEELGT LNVFQTVSRM RTQRAFSIQT PEQYYFCYKA ILEFAEKEGM VSSGQNLLAV ESQ
Source	E.coli
Target Names	PTPN9
Protein Names	Recommended name: Tyrosine-protein phosphatase non-receptor type 9 EC= 3.1.3.48 Alternative name(s): Protein-tyrosine phosphatase MEG2 Short name= PTPase MEG2
Expression Region	1-593
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	This protein 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. This PTP contains an N-terminal domain that shares a significant similarity with yeast SEC14, which is a protein that has phosphatidylinositol transfer activity and is required for protein secretion through the Golgi complex in yeast. This PTP was found to be activated by polyphosphoinositide, and is thought to be involved in signaling events regulating phagocytosis.

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. 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.