



Recombinant Human Receptor-type tyrosine-protein phosphatase zeta (PTPRZ1), partial

Product Code	CSB-EP019068HU-B
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.	P23471
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	IGWSYTGALNQKNWGGKKYPTCNSPKQSPINIDEDLTQVNVNLKCLKFQGWDK TSLENTFIHNTGKTVEINLTNDYRVSSGGVSEMVKASKITFHWGKCNMSSDGS EHSLEGQKFPLEMQIYCFDADRFSSFEEAVKGGKGLRALSILFEVGTEENLDFK AIIDGVESVSRFGKQAALDPFILLNLLPNSTDKYYIYNGSLTSPPCDTVDWIVF KDTVSISESQLAVFCEVLTMQQSGYVMLMDYLNQNFREQQYKFSRQVFSSY
Research Area	Neuroscience
Source	E.coli
Target Names	PTPRZ1
Protein Names	Recommended name: Receptor-type tyrosine-protein phosphatase zeta Short name= R-PTP-zeta EC= 3.1.3.48Alternative name(s): Protein-tyrosine phosphatase receptor type Z polypeptide 1 Protein-tyrosine phosphatase receptor type Z po
Expression Region	36-300aa
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	Partial
Target Details	This gene is a member of the receptor type protein tyrosine phosphatase family and encodes a single-pass type I membrane protein with two cytoplasmic tyrosine-protein phosphatase domains, an alpha-carbonic anhydrase domain and a fibronectin type-III domain. Expression of this gene is induced in gastric cancer cells, in the remyelinating oligodendrocytes of multiple sclerosis lesions, and in human embryonic kidney cells under hypoxic conditions. Both the protein and transcript are overexpressed in glioblastoma cells, promoting their haptotactic migration. Alternative splice variants that encode different protein isoforms have been described but their full-length nature has not been determined.



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

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