



Recombinant Human Protein phosphatase 1 regulatory subunit 3D (PPP1R3D)

Product Code	CSB-EP018550HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O95685
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MSRGPSSAVL PSALGSRKLG PRSLSCLSDL DGGVALEPRA CRPPGSPGRA PPPTAPSGC DPRLRPIILR RARSLPSSPE RRQKAAGAPG AACRPGCSQK LRVRFADALG LELAQVKVFN AGDDPSVPLH VLSRLAINSD LCCSSQDLEF TLHCLVPDFP PPVEAADFGE RLQRQLVCLE RVTCSDLGIS GTVRVCNVAF EKQVAVRYTF SGWRSTHEAV ARWRGPAGPE GTEDVFTFGF PVPPFLELG SRVHFAVRYQ VAGAEYWDNN DHRDYSLTR NHALHMPRGE CEESWIHFI
Source	E.coli
Target Names	PPP1R3D
Protein Names	Recommended name: Protein phosphatase 1 regulatory subunit 3D Alternative name(s): Protein phosphatase 1 regulatory subunit 6 Short name= PP1 subunit R6 Protein phosphatase 1-binding subunit R6
Expression Region	1-299
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	Phosphorylation of serine and threonine residues in proteins is a crucial step in the regulation of many cellular functions ranging from hormonal regulation to cell division and even short-term memory. The level of phosphorylation is controlled by the opposing actions of protein kinases and protein phosphatases. Protein phosphatase 1 (PP1) is 1 of 4 major serine/threonine-specific protein phosphatases which have been identified in eukaryotic cells. PP1 associates with various regulatory subunits that dictate its subcellular localization and modulate its substrate specificity. Several subunits that target PP1 to glycogen have been identified. This gene encodes a glycogen-targeting subunit of PP1.
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.