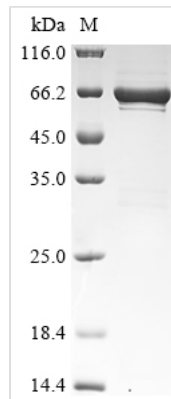




Recombinant Human Serine/threonine-protein phosphatase 5 (PPP5C)

Product Code	CSB-EP018582HU
Abbreviation	Recombinant Human PPP5C protein
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.	P53041
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	AMAEGERTECAEPPRDEPPADGALKRAEELKTQANDYFKAKDYENAIKFYSQ AIELNPSNAIYYGNRSLAYLRTECYGYALGDATRAIELDKKYIKGYRRAASNM ALGKFRAALRDYETVVVKVPHDKDAKMKYQECNKIVKQKAFAIRAIAGDEHKRS VVDSLDESMTIEDEYSGPKLEDGKVTISFMKELMQWYKDQKKLHRKCAYQILV QVKEVLSKLSTLVETTLKETEKITVCGDTHGQFYDLLNIFELNGLPSETNPYIFN GDFVDRGSFSVEVILTLFGFKLLYPDHFHLLRGNHETDNMNIYGFEGEVKAK YTAQMYELFSEVFEWLPLAQCCINGKVLIMHGGGLFSEDGVTLDLDIRKIERNRQPP DSGPMCDLLWSDPQPQNGRSISKRGVSCQFGPDVTKAFLEENNLDYIIRSHEV KAEGYEVAHGGRCVTVFSAPNYCDQMGNKASYIHLQGSDLRPQFHQFTAVP HPNVKPMAYANTLLQLGMM
Research Area	Epigenetics and Nuclear Signaling
Source	E.coli
Target Names	PPP5C
Expression Region	2-499aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	64.2 kDa
Protein Length	Full Length of Mature Protein
Image	



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

Description

This recombinant human serine/threonine-protein phosphatase 5 (PPP5C) is expressed in *E. coli*. The production process begins by introducing a gene fragment encoding the full-length mature human PPP5C protein (amino acids 2-499) into a suitable expression vector. The vector is designed to incorporate an N-terminal 10xHis-tag and a C-terminal Myc-tag for easy detection and purification of the recombinant protein. The recombinant construct is then transformed into *E. coli* cells, followed by the selection of transformed cells to ensure the presence of the recombinant plasmid. Subsequently, a large-scale culture is established, providing optimal conditions for protein expression. The expressed recombinant PPP5C protein is harvested from the cells and purified to achieve a high level of purity. SDS-PAGE analysis confirms the purity of the protein, which reaches up to 85%. When visualized on the gel, the recombinant Gpi protein migrates as a distinct band with an approximate molecular weight of 66 kDa.

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.