

Human recombinant protein PPP1CA
Human Recombinant PPP1CA
Catalog # PBV10606r**Specification****Human recombinant protein PPP1CA - Product info**

Primary Accession	P62136
Concentration	0.25
Calculated MW	39.7 kDa (350 aa, 1-330 aa + NT His-Tag) kDa

Human recombinant protein PPP1CA - Additional Info

Gene ID	5499
Gene Symbol	PPP1CA

Other Names

Serine/threonine-protein phosphatase PP1-alpha catalytic subunit, PP-1A, PP1alpha, PPP1A.

Gene Source	Human
Source	E. Coli
Assay&Purity	SDS-PAGE; ≥80%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	>3,000 units/mg
Sequence	MGSSHHHHHH SSGLVPRGSH MSDSEKLNLD SIIGRLLEVQ GSRPGKNVQL TENEIRGLCL KSREIFLSQP ILLELEAPLK ICGDIHGQYY DLLRLFYGG FPPESNYFL GDYVDRGKQS LETICLLAY KIKYPENFFL LRGNHECASI NRIYGFYDEC KRRYNIKLWK TFTDCFNCLP IAAIVDEKIF CCHGGLSPDL QSMEQIRRM RPTDVPDQGL LCDLLWSDPD KDVGQWGEND RGVSFTFGAE VVAKFLHKHD LDLICRAHQV VEDGYEFFAK RQLVTLFSAP NYCGEFDNAG AMMSVDETM CSFQILKPAD KNKGKYGQFS GLNPGGRPIT PPRNSAKAKK

Format

Liquid

Storage-80°C; 0.25 mg/ml solution in 50 mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 1 mM DTT, 0.15 M NaCl, 1 mM MnCl₂ and 0.1 mM PMSF.**Human recombinant protein PPP1CA - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human recombinant protein PPP1CA - Images

Human recombinant protein PPP1CA - Background

Serine/Threonine-protein phosphatase PP1-alpha catalytic subunit (PPP1CA) is crucial for cell division, and participates in the regulation of glycogen metabolism, muscle contractility and protein synthesis. The PPP1CA protein may have a significant role in dephosphorylating substrates such as the postsynaptic density-associated Ca²⁺/calmodulin dependent protein kinase II.

Human recombinant protein PPP1CA - References

Song Q.,et al.Gene 129:291-295(1993).
Durfee T.,et al.Genes Dev. 7:555-569(1993).
Tung L.,et al.Submitted (APR-1991) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Kalnina N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.