

## Product datasheet for **AR50375PU-N**

### PPP1CC (1-323, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	PPP1CC (1-323, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MADLDKLNID SIIQRLLEVR GSKPGKNVQL QENEIRGLCL KSREIFLSQP ILLELEAPLK ICGDIHGQYY DLLRLFYGG FPESNYLFL GDYVDRGKQS LETICLLLAY KIKYPENFFL LRGNHECASI NRIYGFYDEC KRRYNIKLWK TFTDCFNCLP IAAIVDEKIF CCHGGLSPDL QSMEQIRRM RPTDVPDQGL LCDLLWSDPD KDVLGWGEND RGVSTFTGAE VWAKFLHKHD LDLICRAHQV VEDGYEFAK RQLVTLFSAP NYCGEFDNAG AMMSVDETLM CSFQILKPAE KKKPNATRPV TPRGMITKQ AKK
Tag:	His-tag
Predicted MW:	39.1 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 50% glycerol, 0.2M NaCl, 2mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human PPP1CC protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001231903</a>
Locus ID:	5501
UniProt ID:	<a href="#">P36873</a> , <a href="#">P36873-2</a>
Cytogenetics:	12q24.11
Synonyms:	PP-1G; PP1C; PPP1G



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**Summary:**

The protein encoded by this gene belongs to the protein phosphatase family, PP1 subfamily. PP1 is an ubiquitous serine/threonine phosphatase that regulates many cellular processes, including cell division. It is expressed in mammalian cells as three closely related isoforms, alpha, beta/delta and gamma, which have distinct localization patterns. This gene encodes the gamma isozyme. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]

**Protein Families:**

Druggable Genome, Phosphatase

**Protein Pathways:**

Focal adhesion, Insulin signaling pathway, Long-term potentiation, Oocyte meiosis, Regulation of actin cytoskeleton, Vascular smooth muscle contraction

**Product images:**