

Product datasheet for PH309255

PP4R1 (PPP4R1) (NM_005134) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PPP4R1 MS Standard C13 and N15-labeled recombinant protein (NP_005125)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209255
Predicted MW:	105.2 kDa
Protein Sequence:	>RC209255 protein sequence Red=Cloning site Green=Tags(s)

MADLSLLQEDLQEDADGSLDFVSQDEMLTPLGRLDKYAASENIFNRQMVARSLDLTLREVCDDEDCIAV
LERISRLADDSEPTVRAELMEQVPHIALFCQENRPSIPYAFSKFLLPIVVRYLADQNNQVRKTSQAALLA
LLEQELIERFDVETKVCVPLIELTAPDSNDDVKTEAVAIMCKMAPMVGKDITERLILPRFCMCCDCRMF
HVRKVCAANFGDICSVVGQQATEEMLLPRFFQLCSDNVWGVKAKAEFCMAVSCATCQEIRRTKLSALFI
NLISDPSRWVRQAAFQSLGPFISTFANPSSSGQYFKEESKSSEEMSVENKNRTRDQEAPEDEVQVRPEDTP
SDLVSNSSVILENTMEDHAAEASGKPLGEISVPLDSSLLCTLSSESHQEAASNENDKKPGNYKSMRLPE
VGTTSQDSALLDQELYNFHFWRTPLEIDLIELEQNSGGKPSPEGPEEESEGPVSPSPNITMATRKEL
EEMIENLEPHIDDPVKAQVEVLSAALRASSLDAHEETISIEKRSDLQDELINELPNCKINQEDSVPLI
SDAVENMDSTLHYIHSDDLNNSSFSPDEERRTKVQDVVPQALLDQYLSMTDPSRAQTVDTETIAKHCA
SLPGVALTLGRQNWCHLRETYETLASDMQWVRRTLAFSIELAVILGDQLTAADLVPIFNGLKDLDEV
RIGVLKHLHDFLKLHIDKRRELYQLQEFVTDNSRNWRFRAELAEQLILLELYSPRDVYDYLRLPIAL
NLCADKVSSVRWISYKLVSEMVKKLHAATPPTFGVDLINELVENFGRCPKWGRQAFVFCQTVIEDDCL
PMDQFAVHLMPHLLTLANDRVPNVRVLLAKTLRQTLLEKDYFLASASCHQEAVEQTIMALQMDRDSVVKY
FASHPASTKISEDAMSTASSTY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



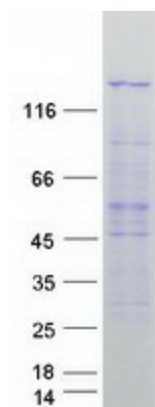
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RefSeq:	NP_005125
RefSeq Size:	3929
RefSeq ORF:	2799
Synonyms:	MEG1; PP4(Rmeg); PP4R1
Locus ID:	9989
UniProt ID:	Q8TF05
Cytogenetics:	18p11.22

Summary: This gene encodes one of several alternate regulatory subunits of serine/threonine protein phosphatase 4 (PP4). The protein features multiple HEAT repeats. This protein forms a complex with PP4RC. This complex may have a distinct role from other PP4 complexes, including regulation of HDAC3 (Zhang et al., PMID: 15805470). There is also a transcribed pseudogene on chromosome 20. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2012]

Protein Families: Druggable Genome, Phosphatase

Product images:



Coomassie blue staining of purified PPP4R1 protein (Cat# [TP309255]). The protein was produced from HEK293T cells transfected with PPP4R1 cDNA clone (Cat# [RC209255]) using MegaTran 2.0 (Cat# [TT210002]).