

Product datasheet for **TP321040M**

Smek1 (PPP4R3A) (NM_032560) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human SMEK homolog 1, suppressor of mek1 (Dictyostelium) (SMEK1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC221040 representing NM_032560 Red =Cloning site Green =Tags(s)

MTDTRRRVKVYTLNEDRQWDDRGTGHVSSGYVERLKGMSLLVRAESDGSLLLESKINPNTAYQKQDQDTLI
VWSEAEYDLALSFQEKAGCDEIWEKICQVQKDPDSDITQDLVDESEEEERFDDMSSPGLLELPSCELSRL
EEIAELVASSPLRREKLALALENEGIIKLELHFVCELENIEGLHHLHYEIIKGFLLNRTALFEV
MFSEECIMDVIGCLEYDPALSQPRKHREFLTAKTAKFEVIPISDPELKQKIHQTYRVQYIQDMVLPTPSV
FEENMLSTLHSFIFNKVEIVGMLQEDEKFLDQLFAQLTDEATDEEKRELNVNLFKECAFSQTLQPQNR
DAFFKTLNMGILPALEVILGMDDTQVRSAAATDIFSYLVEYNPSMVREFVMQEAQQNDDILLINLIIEH
MICDTPDELGGAVQLMGLLRTLVDPENMLATANKTEKTEFLGFFYKHCMHVLTAPLLANTTEDKPSKDDF
QTAQLLALVLELLTFCVEHHTYHIKNIYIINKDILRRVVLVMSKHAFLALCALRFKRKIIGLKDEFYNRY
IMKSFLFEPVVKAFLNNGSRYNLMNSAIIEMFEFIRVEDIKSLTAHVIENYWKALEDVDYVQTFKGLKLR
FEQQRERQDNPKLDSMRSILRNHRYRRDARTLEDEEEMWFNTDEDDMEDGEAVVSPDKTKNDDDIMDPI
SKFMERKKLKESEEKEVLLKTNLSGRQSPSKLSLSSGKTNLTSQSSTTNLPGSPGSPGSPGSPGSPGSPG
VPKNTSQTAAITTKGGLVGLVDYDDEDDDEDEDKEDTLPLSKKAKFDS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	93.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_115949
Locus ID:	55671
UniProt ID:	Q6IN85
RefSeq Size:	4449
Cytogenetics:	14q32.12
RefSeq ORF:	2460
Synonyms:	FLFL1; KIAA2010; MSTP033; PP4R3A; smk-1; smk1
Summary:	Regulatory subunit of serine/threonine-protein phosphatase 4. May regulate the activity of PPP4C at centrosomal microtubule organizing centers. The PPP4C-PPP4R2-PPP4R3A PP4 complex specifically dephosphorylates H2AFX phosphorylated on 'Ser-140' (gamma-H2AFX) generated during DNA replication and required for DNA DSB repair.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified SMEK1 protein (Cat# [TP321040]). The protein was produced from HEK293T cells transfected with SMEK1 cDNA clone (Cat# [RC221040]) using MegaTran 2.0 (Cat# [TT210002]).