

Product datasheet for TP511757

Prag1 (NM_172911) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse PEAK1 related kinase activating pseudokinase 1 (Prag1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR211757 representing NM_172911 Red=Cloning site Green=Tags(s)

MSACSDFVEHIWKP GSKNCFLRSDHQPTAGHPKARANSLPAGTRLPARPENCRLDDEGVNGLAYSKPT
IAVKPTMMTSETSDLWTEASLSAEV PKVNWRRTPGKLLLPKQEDEPIVYLG SFRGLQKPASPLACTDGNS
RCPPAYTMVGLHNLEARVDRNTAFQPV SFQEEKAGREELPSAHESFRQKLA AFAGMTSSCPKGP RPCTSP
QPLRESLPSEDDSDQRCSPSGDSEGGEYCSILDCCPE SKDAVHSTEGSGRRGGDCSPTCREQGP RTRPTE
EEKQGLSFPRECCGQGSTANPPRLGPKKPSLNSEAASSSDGLSCGSSRS GASSPFAPHLENDYCSLVKEP
ASGKQQDLSGHFLTSGKCVGQAELQPASLLRDPVQPEPIYAESA KRKKAAPGPPRPEPKKEQVPAGHSQ
GQVWTGDTWIQKT PPSWSQDREGANPAPQVATTITVIAAHPEEDHRTIYLSSPDSAVGVQWPRG PSNQDL
QAGEEEPLVAQGLTSRESHPHNVTENTAKEKPAIPPKLSKSSP GGSPVSPAPPLTDHSDGNTGGSSVGPQ
LLSRVPANLTSSCHTNGVATAGDSAKCPPATSSSVLDQRRPRYQTGAWSRQCRIEEEEV GQELSQSWG
RELENGTADHSNSSTWHLHPIDGTSGQNSKTSNGMSKSASF AFEFPKDRGRLEAFSPPPPKSRHLLK
MNKSSSDLEKVSQSSAESLSPSFRGAHVSFTTGSTDSLASDRPCSDGGPSYEPHSTISGKKLFAPVP
FPSGSTEDVSPGGGPAQPPPLPQKKIVSRAASSPDGFFWTQ GSPKPRTASPKLNLSHSETNVCAHDEPPF
NCSLNSGNRSHHVFSSSEPLGKAFKGNAPWAPALGLANSKGGCGSPSLQCRAATSTSSS QLSVSSQASS
STQLQLHSLSSISSKEGTYAKLGGLYTQSLARLVTKCEDLFMGGQKKELRFNENYWSLFKLT CNKPCCD
SGDAIYYCATCSEDPGSIYAVKICKTPEPKSASYCSPSVPVHFNIQQDCGHFVASVPSSMLASPD TSSKD
TAPAVSPQPPAQEQDCVVITREVPHQTASDFVRDSMASHRAEPEVYERRVCFLLQLCNGLEHLKEHGI
IHRDLCLENLLL AHCNPQSSPGPSATPTVPTT SRCPSAAPAATTACQGGPGEKQLPRLIISNFLKAKQK
PGGTTNLQKKSQARLAPEIVSASQYRKFDEFQTGILYELLHQPNPFVRAQLRERDYRREDLPLPLTL
SLYSPGLQQLAHLLEADPIKRIRIGEAKRVLQCLLWGP RRRELVEQPCTSEEVL CNTLHNWIDMKRALMM
MKFAEKAVDRRRRGVELEDWLCCQYLASAEPGALLQSLKLLQLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	148.4 kDa



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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
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 after receiving vials.
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_766499
Locus ID:	244418
UniProt ID:	Q57114
RefSeq Size:	4780
Cytogenetics:	8 22.78 cM
RefSeq ORF:	4119
Synonyms:	9830148H23; D8Erttd82e; mFLJ00269; NACK; Sgk223
Summary:	Catalytically inactive protein kinase that acts as a scaffold protein (By similarity). Functions as an effector of the small GTPase RND2, which stimulates RhoA activity and inhibits NGF-induced neurite outgrowth (By similarity). Promotes Src family kinase (SFK) signaling by regulating the subcellular localization of CSK, a negative regulator of these kinases, leading to the regulation of cell morphology and motility by a CSK-dependent mechanism (By similarity). Acts as a critical coactivator of Notch signaling (PubMed:25038227).[UniProtKB/Swiss-Prot Function]