

Recombinant Mouse Prag1 Protein, Myc/DDK-tagged

Cat. No. Prag1-5094M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length PEAK1 related kinase activating pseudokinase 1 (Prag1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalytically inactive protein kinase that acts as a scaffold protein. Functions as an effector of the small GTPase RND2, which stimulates RhoA activity and inhibits NGF-induced neurite outgrowth. 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. Acts as a critical coactivator of Notch signaling.
Molecular Mass	148.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Prag1 PEAK1 related kinase activating pseudokinase 1 [Mus musculus (house mouse)]
Official Symbol	Prag1
Synonyms	Prag1; PEAK1 related kinase activating pseudokinase 1; NA; NACK; Sgk223; D8Ertd82; D8Ertd82e; mFLJ00269; 9830148H23; inactive tyrosine-protein kinase PRAG1; notch activation complex kinase; pragmin; sugen kinase 223; tyrosine-protein kinase PRAG1; tyrosine-protein kinase SgK223; EC 2.7.10.2
Gene ID	244418
mRNA Refseq	NM_172911
Protein Refseq	NP_766499
UniProt ID	Q571I4

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