

Product datasheet for **TP720523**

MAP2K1IP1 (LAMTOR3) (NM_021970) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human MAPK scaffold protein 1 (MAPKSP1), transcript variant 1
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Met1-Val124
Tag:	N-His
Predicted MW:	15.8 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Supplied as a 0.2 um filtered solution of 20mM Tris-HCl, 100mM NaCl, 5mM DTT, 30% Glycerol, pH 8.0.
Endotoxin:	< 0.1 EU per µg protein as determined by LAL test
Storage:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_068805
Locus ID:	8649
UniProt ID:	Q9UHA4
Cytogenetics:	4q23
Synonyms:	MAP2K1IP1; MAPBP; MAPKSP1; MP1; PRO0633; Ragulator3



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Summary:

This gene encodes a scaffold protein that functions in the extracellular signal-regulated kinase (ERK) cascade. The protein is localized to late endosomes by the mitogen-activated protein-binding protein-interacting protein, and binds specifically to MAP kinase kinase MAP2K1/MEK1, MAP kinase MAPK3/ERK1, and MAP kinase MAPK1/ERK2. Studies of the orthologous gene in mouse indicate that it regulates late endosomal traffic and cell proliferation. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. A pseudogene of this gene is located on the long arm of chromosome 13. [provided by RefSeq, Aug 2011]

Protein Families:

Druggable Genome

Protein Pathways:

MAPK signaling pathway

Product images: