

Product datasheet for **TP762217**

MAP3K8 (NM_005204) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human mitogen-activated protein kinase kinase kinase 8 (MAP3K8), Met277-Pro461, with N-terminal His tag, expressed in E.coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region(Met277-Pro461) of MAP3K8
Tag:	N-His
Predicted MW:	21.0 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
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_005195
Locus ID:	1326
UniProt ID:	P41279
RefSeq Size:	3013
Cytogenetics:	10p11.23
RefSeq ORF:	1401
Synonyms:	AURA2; c-COT; COT; EST; ESTF; MEKK8; Tpl-2; TPL2



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Summary:

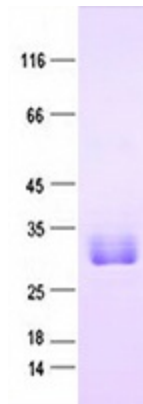
This gene is an oncogene that encodes a member of the serine/threonine protein kinase family. The encoded protein localizes to the cytoplasm and can activate both the MAP kinase and JNK kinase pathways. This protein was shown to activate I κ B kinases, and thus induce the nuclear production of NF- κ B. This protein was also found to promote the production of TNF- α and IL-2 during T lymphocyte activation. This gene may also utilize a downstream in-frame translation start codon, and thus produce an isoform containing a shorter N-terminus. The shorter isoform has been shown to display weaker transforming activity. Alternate splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Sep 2011]

Protein Families:

Druggable Genome, Protein Kinase

Protein Pathways:

MAPK signaling pathway, T cell receptor signaling pathway, Toll-like receptor signaling pathway

Product images:

Purified recombinant protein MAP3K8 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.