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Product datasheet for TP500892

Mdk (NM_010784) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse midkine (Mdk), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR200892 protein sequence Red=Cloning site Green=Tags(s) MQHRGFFLLALLALLVVTSAVAKKKEKVKKGSECSEWTWGPCTPSSKDCGMGFREGTCGAQTQRVHCKV P CNWKKEFGADCKYKFESWGACDGSTGTKARQGTLKKARYNAQCQETIRVTKPCTSKTKSKTKAKKGKGKD TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	15.4 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
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_034914
Locus ID:	17242
UniProt ID:	P12025
RefSeq Size:	1077
Cytogenetics:	2 50.63 cM

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RefSeq ORF: 420

Synonyms: Mek; MK

Summary: This gene encodes a secreted growth factor that belongs to the pleiotrophin/midkine heparin-binding protein family and functions in a variety of biological processes. The encoded cytokine promotes the growth, differentiation, survival and migration of several target cells including leucocytes involved in inflammation. This protein plays a role in the formation of scar tissue and intraperitoneal adhesions, and promotes neurite outgrowth and neuron survival. The protein encoded by this gene is associated with obesity and inhibition of insulin signaling in fat cells. A pseudogene of this gene is present on chromosome 11. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2014]