

GMP Recombinant Mouse Hdgf Protein, His-Tagged

Cat. No. Hdgf-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GMP Recombinant Mouse Hdgf Protein, His-Tagged was expressed in Escherichia coli cell-derived in an animal component free process under cGMP guidelines.
Species	Mouse
Source	E.coli
Description	Predicted to enable several functions, including DNA-binding transcription repressor activity, RNA polymerase II-specific; cytoskeletal protein binding activity; and growth factor activity. Acts upstream of or within cellular response to interleukin-7 and negative regulation of neuron apoptotic process. Located in extracellular space and nucleus. Is expressed in several structures, including alimentary system; genitourinary system; liver; sensory organ; and telencephalon ventricular layer. Orthologous to human HDGF (heparin binding growth factor).
Form	Lyophilized
AA Sequence	MSRSNRQKEYKCGDLVFAKMKGYPHWPARIDEMPEAAVKSTANKYQVFFFGTHET AFLGPKDLFPYEEESKEKFGKPNKRKGFSEGLWEIENNPTVKASGYQSSQKKSCAAE PEVEPEAHEGDGDKKGS AEGSSDEEGKLVIDEPAKEKNEKGTLKRRAGDVLEDSPK RPKESGDHEEEDKEIAALEGERPLPVEVEKNSTPSEPDSGQGPPAEEEEEGEEEA EEAEAQGVRDHESL with polyhistidine tag at the C-terminus
Endotoxin	<0.1 EU per 1 µg of the protein by the LAL method.

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Purity	>98% as determined by SDS-PAGE analysis. Purified by Ni-NTA chromatography.
Notes	Please use within one month after protein reconstitution.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

GENE INFORMATION

Gene Name	Hdgf heparin binding growth factor [<i>Mus musculus</i> (house mouse)]
Official Symbol	Hdgf
Synonyms	D3Ertd299e
Gene ID	15191
mRNA Refseq	NM_001331051.2
Protein Refseq	NP_001317980.1

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