

## Active Recombinant Full Length Mouse MYDGF Protein

Cat. No. MYDGF-134MFL Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Mouse MYDGF Protein was expressed in NS0.
<b>Species</b>	Mouse
<b>Source</b>	NS0
<b>ProteinLength</b>	Val25-Leu166
<b>Description</b>	The protein encoded by this gene was previously thought to support proliferation of lymphoid cells and was identified in error as interleukin 25. This activity has not been reproducible, however, and the function of this protein is currently unknown.
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
<b>Bio-activity</b>	Measured by its binding ability in a functional ELISA. When Recombinant Mouse SF20/MYDGF is immobilized at 2 µg/mL (100 µL/well), Recombinant Human Protein Disulfide Isomerase/P4HB binds with an ED50 of 0.7-4.2 µg/mL.
<b>Molecular Mass</b>	Predicted Molecular Mass: 16 kDa SDS-PAGE: 15-16 kDa, under reducing conditions
<b>N-terminal Sequence Analysis</b>	Val25
<b>Endotoxin</b>	<0.10 EU per 1 µg of the protein by the LAL method.

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<b>Purity</b>	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
<b>Reconstitution</b>	Reconstitute at 500 µg/mL in PBS.
<b>Shipping</b>	The product is shipped with dry ice or equivalent. Upon receipt, store it immediately at the temperature recommended below.
<b>Related Research Areas</b>	Cytokines and Receptors in Angiogenesis

## GENE INFORMATION

<b>Gene Name</b>	Mydgf myeloid derived growth factor [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	MYDGF
<b>Synonyms</b>	C19orf10; chromosome 19 open reading frame 10; EUROIMAGE1875335; IL25; IL27; IL27w; interleukin 27 working designation; interleukin-25; Ly6elg; MYDGF; myeloid-derived growth factor; R33729_1; SF20; Stromal cell-derived growth factor SF20; UPF0556 protein C19orf10
<b>Gene ID</b>	28106
<b>mRNA Refseq</b>	NM_080837.2

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**Protein Refseq** NP\_543027.1

**UniProt ID** Q9CPT4

**Binding Activity** When Recombinant Mouse SF20/MYDGF is immobilized at 2µg/mL (100 µL/well), Recombinant Human Protein Disulfide Isomerase/P4HB binds with an ED50 of 0.7-4.2µg/mL.

**SDS-PAGE** 2 µg/lane of Recombinant Mouse SF20/MYDGF was resolved with SDS-PAGE under reducing<sup>®</sup> and non-reducing (NR) conditions and visualized by Coomassie<sup>®</sup> Blue staining, showing bands at 15-16 kDa.

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