

Active Recombinant Full Length Mouse MYDGF Protein

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

SPECIFICATION

Product Overview	Recombinant Full Length Mouse MYDGF Protein was expressed in NS0.
Species	Mouse
Source	NS0
ProteinLength	Val25-Leu166
Description	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.
Form	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Bio-activity	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.
Molecular Mass	Predicted Molecular Mass: 16 kDa SDS-PAGE: 15-16 kDa, under reducing conditions
N-terminal Sequence Analysis	Val25
Endotoxin	<0.10 EU per 1 µg of the protein by the LAL method.

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Purity	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Storage	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.
Reconstitution	Reconstitute at 500 µg/mL in PBS.
Shipping	The product is shipped with dry ice or equivalent. Upon receipt, store it immediately at the temperature recommended below.
Related Research Areas	Cytokines and Receptors in Angiogenesis

GENE INFORMATION

Gene Name	Mydgm myeloid derived growth factor [Mus musculus (house mouse)]
Official Symbol	MYDGF
Synonyms	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
Gene ID	28106
mRNA Refseq	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 ® and non-reducing (NR) conditions and visualized by Coomassie® Blue staining, showing bands at 15-16 kDa.

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