

RPCB1573

Product Information

Product SKU:	RPCB1573	Gene ID:	56005	Size:	10µg
Tag:	C-His	Reactivity:	Human		

Additional Information

Expression Host:	HEK293 cells	Swissprot:	Q969H8
Purity:	> 97% by SDS-PAGE.		

Protein Information

Background: Myeloid-Derived Growth Factor, or MYDGF, is a Bone marrow-derived monocyte protein, and it is correlated with enhanced metabolic activity, suppression of apoptosis, and stimulation of cell proliferation. MYDGF is expressed predominantly in inflammatory cells, such as monocytes and macrophages. Up-regulation of MYDGF expression was also found during adipocyte differentiation. Expression of MYDGF was induced in the circulation and heart tissue after myocardial infarction. It promotes cardiac myocyte survival by stimulating endothelial cell proliferation through a MAPK1/3-, STAT3- and CCND1-mediated signaling pathway, and inhibits cardiac myocyte apoptosis in a PI3K/AKT-dependent signaling pathway. MYDGF was found over-expressed in approximately two-thirds of Hepatocellular Carcinoma (HCC) tissues, and its expression was significantly positively correlated with that of alpha-fetoprotein (AFP).

Protein Description: High quality, high purity and low endotoxin recombinant Recombinant Human MYDGF Protein, tested reactivity in HEK293 cells and has been validated in SDS-PAGE. 100% guaranteed.

Endotoxin: < 0.1EU/µg

Formulation: Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

Storage:

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.