Recombinant Mouse Mydgf Protein, His-tagged

Cat. No. Mydgf-242M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Mydgf(25-166aa) fused with His tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	25-166aa
Description	Mydgf, also known as Myeloid-derived growth factor, is a bone marrow-derived monocyte and paracrine-acting protein that promotes cardiac myocyte survival and adaptive angiogenesis for cardiac protection and repair after myocardial infarction. It stimulates endothelial cell proliferation through a MAPK1/3-, STAT3- and CCND1-mediated signaling pathway. Mydgf-deficient mice develop larger infarct scars and more severe contractile dysfunction compared to wild-type mice.
Form	Liquid. In 20mM Tris-HCl(pH8.0) containing 0.1M NaCl, 10% glycerol
Molecular Mass	18.1 kDa (165aa) Confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSVSEPTTV PFDVRPGGVV HSFSQDVGPG NKFTCTFTYA SQGGTNEQWQ MSLGTSEDSQ HFTCTIWRPQ GKSYLYFTQF KAELRGAEIE YAMAYSKAAF ERESDVPLKS EEFEVTKTAV SHRPGAFKAE LSKLVIVAKA ARSEL

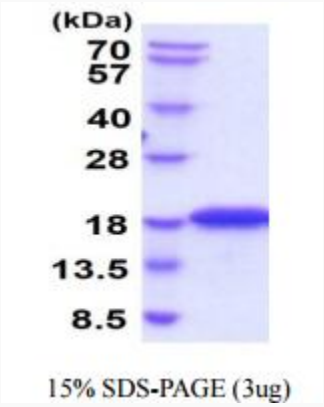
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 95% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name	Mydgf myeloid derived growth factor [Mus musculus]
Official Symbol	Mydgf
Synonyms	Il25; Ly6elg; D17Wsu104e
Gene ID	28106
mRNA Refseq	NM_080837
Protein Refseq	NP_543027
UniProt ID	Q9CPT4

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15% SDS-PAGE (3ug)

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