9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

MYDGF Mouse

Myeloid Derived Growth Factor Mouse Recombinant
GRF0270

Product Overview

Name	MYDGF Mouse
Description	
Myeloid Derived Growth Factor Mouse Recombinant	
Accession (Primary)	Q9CPT4
Synonyms	
D17Wsu104e, Il25, Ly6elg, MYDGF, Interleukin-25, IL-25, Stromal cell-derived growth factor SF20.	
Introduction	
Myeloid-derived growth factor (Mydgf) is a paracrine-acting protein and a bone marrow-derived monocyte which stimulates cardiac myocyte survival and adaptive angiogenesis for cardiac protection and repair after myocardial infarction. Mydgf induces endothelial cell proliferation through a MAPK1/3-, STAT3- and CCND1-mediated signaling lane. When comparing wild-type mice to mice with a Mydgf-deficiency, the later develop larger infarct scars and more acute contractile dysfunction.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
MYDGF protein solution (0.5mg/ml) containing 20mM Tris-HCl (pH8.0), 0.1M NaCl and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS VSEPTTV PFDVRPGGVV HSFSQDVGPG NKFTCTFTYA SQGGTNEQWQ MSLGTSEDSQ HFTCTIWRPQ GKSYLYFTQF KAELRGAEIE YAMAYSKAAF ERESDVPLKS EEFEVTKTAV SHRPGAFKAE LSKLVIVAKA ARSEL.	
Precautions	

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MYDGF Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9CPT4)