

Datasheet for ABIN7455641
MYDGF Protein (His tag)



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1 Image

Overview

Quantity:	50 µg
Target:	MYDGF (D17Wsu104e)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MYDGF protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Myeloid-derived Growth Factor is produced by our E.coli expression system and the target gene encoding Ser33-Leu173 is expressed with a 6His tag at the N-terminus.
Characteristics:	Extracellular Domain Protein
Purification:	Affinity purification
Purity:	Greater than 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	MYDGF (D17Wsu104e)
Alternative Name:	MYDGF (D17Wsu104e Products)
Background:	Myeloid-derived growth factor (MYDGF) is a secreted protein which belongs to the UPF0556 family. MYDGF was strongly expressed in spleen, prostate and lung, and weakly expressed in the left ventricle and liver. Bone marrow-derived monocyte and paracrine-acting protein

Target Details

promotes cardiac myocyte survival and adaptive angiogenesis for cardiac protection and/or repair after myocardial infarction (MI). MYDGF stimulates endothelial cell proliferation through a MAPK1/3-, STAT3- and CCND1-mediated signaling pathway. It inhibits cardiac myocyte apoptosis in a PI3K/AKT-dependent signaling pathway. MYDGF is involved in endothelial cell proliferation and angiogenesis. It may serve as a prototypical example for the development of protein-based therapies for ischemic tissue repair.

Molecular Weight: 18 KDa

UniProt: [Q969H8](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

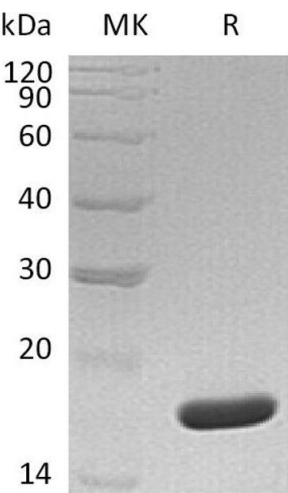
Buffer: Lyophilized from a 0.2 µm filtered solution of 4 mM HCl.

Storage: -20 °C,-80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months

Images



SDS-PAGE

Image 1. Greater than 95 % as determined by reducing SDS-PAGE.