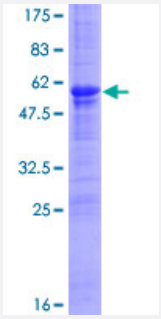
Full-Length

MDFI (Human) Recombinant Protein (P01)

Catalog # H00004188-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MDFI full-length ORF (NP_005577.1, 1 a.a. - 246 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MYQVSGQRPSGCDAPYGAPSAAPGPAQTLSLLPGLEVVTGSTHPAEAAPEEGSLEEAATPMPQ GNGPGIPQGLDSTDLDVPTEAVTCQPQGNPLGCTPLLPNDSGHPSELGGTRRAGNGALGGPKA HRKLQTHPSLASQGSKKSKSSSKSTTSQIPLQAQEDCCVHCILSCLFCEFLTLCNIVLDCATCGSC SSEDSCLCCCCCGSGECADCDLPCDLDCGILDACCESADCLEICMECCGLCFSS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	51.4
Interspecies Antigen Sequence	Mouse (79); Rat (82)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MDFI

Entrez GeneID	4188
GeneBank Accession#	NM_005586.2
Protein Accession#	NP_005577.1
Gene Name	MDFI
Gene Alias	I-MF, I-mfa
Gene Description	MyoD family inhibitor
Omim ID	604971
Gene Ontology	Hyperlink
Gene Summary	This protein is a transcription factor that negatively regulates other myogenic family proteins. Studies of the mouse homolog, I-mf, show that it interferes with myogenic factor function by masking nuclear localization signals and preventing DNA binding. Knockout mouse studies show defects in the formation of vertebrae and ribs that also involve cartilage formation in these structures. [provided by RefSeq
Other Designations	OTTHUMP00000016375|OTTHUMP00000196414|inhibitor of MyoD family a