

Product datasheet for TP507045

Mef2c (BC026841) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse myocyte enhancer factor 2C (cDNA clone MGC:25468 IMAGE:4481227), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207045 protein sequence Red =Cloning site Green =Tags(s)

MGRKKIQITRIMDERNRQVTFTKRKFGLMKKAYELSVLCDCEIALIIFNSTNKLQYASTDMDKVLLKYT
EYNEPHESRTNSDIVETLRKKGLNGCDSPDPDADDSVGHSPESDKYRKINEDIDLMSRQRLCAVPPPS
FEMPVTIPVSSHNSLVYSNPVSTLGPNLLPLAHPQLQRNSMSPGVTHRPPSAGNTGGLMGGDLTSGAGT
SAGNGYGNPRNSPGLLVSPGNLNKNIQAKSPPPMNLGMNNRKPDLRVLIPPGSKNTMPSVSEDVLLLLNQ
RINNSQSAQSLATPVVSVATPTLPGQGMGGYPSAISTTYGTEYSLSSADLSSLSGFNTASALHLGVSVTGW
QQQHLHNMPPSALSQLGDRITTPSRYPQHTRRHEAGRSPVDSLSSCSSSYDGSREDHRNEFHSPIGLTR
PSPDERESPSVKRMRLSEGWAT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	48 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Locus ID:	17260
UniProt ID:	Q8CFN5



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RefSeq Size: 3479

Cytogenetics: 13 43.68 cM

RefSeq ORF: 1326

Synonyms: 5430401D19Rik; 9930028G15Rik; AV011172; Mef2

Summary: Transcription activator which binds specifically to the MEF2 element present in the regulatory regions of many muscle-specific genes. Controls cardiac morphogenesis and myogenesis, and is also involved in vascular development. Enhances transcriptional activation mediated by SOX18 (PubMed:11554755). May also be involved in neurogenesis and in the development of cortical architecture. Isoforms that lack the repressor domain are more active than isoform 1 (By similarity). Plays an essential role in hippocampal-dependent learning and memory by suppressing the number of excitatory synapses and thus regulating basal and evoked synaptic transmission. Crucial for normal neuronal development, distribution, and electrical activity in the neocortex. Necessary for proper development of megakaryocytes and platelets and for bone marrow B-lymphopoiesis. Required for B-cell survival and proliferation in response to BCR stimulation, efficient IgG1 antibody responses to T-cell-dependent antigens and for normal induction of germinal center B-cells.[UniProtKB/Swiss-Prot Function]