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Product datasheet for TP523217

Msx2 (NM_013601) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse msh homeobox 2 (Msx2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR223217 representing NM_013601 Red=Cloning site Green=Tags(s) MASPTKGGDLFSSDEEGPAVLAGPGPGPGGAEGSAEERRVKVSSLPFSVEALMSDKKPPKESPAVPPDCA SAGAVLRPLLLPGHGVRDAHSPGPLVKPFETASVKSENSEDGAPWIQEPGRYSPPPRHMSPTTCTLRKHK TNRKPRTPFTTSQLLALERKFRQKQYLSIAERAEFSSSLNLTETQVKIWFQNRRAKAKRLQEAELEKLKM AAKPMLPSGFSLPFPINSPLQAASIYGASYPFHRPVLPIPPVGLYATPVGYGMYHLS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	29.4 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.
RefSeq:	NP_038629
Locus ID:	17702
UniProt ID:	Q03358, Q3UZH5
RefSeq Size:	2162

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Cytogenetics:	13 27.84 cM
RefSeq ORF:	801
Synonyms:	BB122635; Hox-8; Hox8; Hox8.1
Summary:	Acts as a transcriptional regulator in bone development. Represses the ALPL promoter activity and antagonizes the stimulatory effect of DLX5 on ALPL expression during osteoblast differentiation. Probable morphogenetic role. May play a role in limb-pattern formation. In osteoblasts, suppresses transcription driven by the osteocalcin FGF response element (OCFRE). Binds to the homeodomain-response element of the ALPL promoter. [UniProtKB/Swiss-Prot Function]