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Product datasheet for TP306294M

MAX (NM_145116) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human MYC associated factor X (MAX), transcript variant 5, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206294 protein sequence Red=Cloning site Green=Tags(s) MSDNDDIEVESDEEQQRFQSAADKRAHHNALERKRRDHIKDSFHSLRDSVPSLQGEKASRAQILDKATEY IQYMRRKNHTHQQDIDDLKRQNALLEQQGEHPSSWGSWPCCAPARSGFGTWACRVRASHGVCAQ TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	15.2 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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_660092
Locus ID:	4149
UniProt ID:	P61244
RefSeq Size:	575
Cytogenetics:	14q23.3

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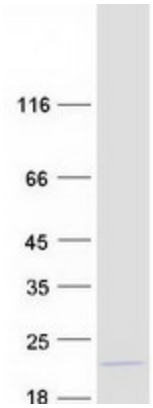
RefSeq ORF:	402
Synonyms:	bHLHd4; bHLHd5; bHLHd6; bHLHd7; bHLHd8; orf1
Summary:	The protein encoded by this gene is a member of the basic helix-loop-helix leucine zipper (bHLHZ) family of transcription factors. It is able to form homodimers and heterodimers with other family members, which include Mad, Mxi1 and Myc. Myc is an oncoprotein implicated in cell proliferation, differentiation and apoptosis. The homodimers and heterodimers compete for a common DNA target site (the E box) and rearrangement among these dimer forms provides a complex system of transcriptional regulation. Mutations of this gene have been reported to be associated with hereditary pheochromocytoma. A pseudogene of this gene is located on the long arm of chromosome 7. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012]
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	MAPK signaling pathway, Pathways in cancer, Small cell lung cancer

Product images:



Coomassie blue staining of purified MAX protein (Cat# [TP306294]). The protein was produced from HEK293T cells transfected with MAX cDNA clone (Cat# [RC206294]) using MegaTran 2.0 (Cat# [TT210002]).