

Product datasheet for **AR09449PU-N**

MAX (1-160, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	MAX (1-160, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MSDNDDIEVE SDEEQPRFQS AADKRAHHNA LERKRRDHIK DSFHSLRDSV PSLQGEKASR AQILDKATEY IQYMRRKNHT HQQDIDDLKR QNALLEQQVR ALEKARSSAQ LQTNYPSSDN SLYTNAKGST ISAFDGGSDS SSESEPEEPQ SRKCLRMEAS <u>LEHHHHHH</u>
Tag:	His-tag
Predicted MW:	19.3 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human MAX protein, fused to His-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001257997</u>
Locus ID:	4149
UniProt ID:	<u>P61244</u>
Cytogenetics:	14q23.3
Synonyms:	bHLHd4



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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: