

Product datasheet for **AR50582PU-N**

SIX6 (1-246, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	SIX6 (1-246, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMFQLPIL NFSPQQVAGV CETLEESGDV ERLGRFLWSL PVAPAACEAL NKNESVLRAR AIVAFHGGNY RELYHILENH KFTKESHAKL QALWLEAHYQ EAEKLRGRPL GPVDKYRVRK KFPLPRTIWD GEQKTHCFKE RTRNLLREWY LQDPYPNPSK KRELAQATGL TPTQVGNWFK NRRQRDRAAA AKNRLQQQVL SQGSGRALRA EGDGTPEVLG VATSPAASLS SKAATSAISI TSSDSECDI
Tag:	His-tag
Predicted MW:	30.1 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 0.2M NaCl, 40% glycerol, 5 mM DTT, 2 mM EDTA
Preparation:	Liquid purified protein
Protein Description:	Recombinant human SIX6 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_031400
Locus ID:	4990
UniProt ID:	O95475 , Q6P051
Cytogenetics:	14q23.1
Synonyms:	MCOPCT2; ODRMD; OPTX2; Six9



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Summary:

The protein encoded by this gene is a homeobox protein that is similar to the *Drosophila* 'sine oculis' gene product. This gene is found in a cluster of related genes on chromosome 14 and is thought to be involved in eye development. Defects in this gene are a cause of isolated microphthalmia with cataract type 2 (MCOPCT2). [provided by RefSeq, Jul 2008]

Product images: