

## Product datasheet for **TP761110**

### **SIX1 (NM\_005982) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human SIX homeobox 1 (SIX1), full length, with N-terminal HIS tag, expressed in E. coli, 50ug
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	A DNA sequence encoding human full-length SIX1
<b>Tag:</b>	N-His
<b>Predicted MW:</b>	32 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_005973</a>
<b>Locus ID:</b>	6495
<b>UniProt ID:</b>	<a href="#">Q15475</a>
<b>RefSeq Size:</b>	2687
<b>Cytogenetics:</b>	14q23.1
<b>RefSeq ORF:</b>	852
<b>Synonyms:</b>	BOS3; DFNA23; TIP39



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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 limb development. Defects in this gene are a cause of autosomal dominant deafness type 23 (DFNA23) and branchiootoc syndrome type 3 (BOS3). [provided by RefSeq, Jul 2008]

**Protein Families:**

Transcription Factors

**Product images:**