

## Product datasheet for **TP314143L**

### SIX homeobox 4 (SIX4) (NM\_017420) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human SIX homeobox 4 (SIX4), 1 mg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC214143 representing NM\_017420  
**Red**=Cloning site **Green**=Tags(s)

MSSSSPTGQIASAADIKQENGMESASEGQEAHREVAGGAAVGLSPPAPAPFPLEPGDAATAAARVSGEEG  
AVAAAAAGAAADQVQLHSELLGRHHHAAAAAAQTPLAFSPDHVACVCEALQQGGNLDRLARFLWSLPQSD  
LLRGNESLLKARALVAFHQGIPELYSILESHSFESANHPLLQQLWYKARYTEAERARGRPLGAVDKYRL  
RRKFPLPRTIWDGEETVYCFKEKSRNALKELYKQNRYPSPA EKRLAKITGLSLTQVSNWFKNRRQRDRN  
PSETQSKSESDGNPSTEDSSKGHEDLSPHPLSSSSDGITNLSLSSHMEPVYMQQIGNAKISLSSSGVLL  
NGSLVPASTSPVFLNGNSFIQGPSGVLNGLNVGNTQAVLNPPKMSSNIVSNGISMTDILGSTSQDVKE  
FKVLQSSANSATTTYSVSPVSPFGLIPSTEVKREGIQTVASQDGGSVTFTTPVQINQYQIVQIPNSG  
ANSQFLNGSIGFSPLQLPPVSVAAASQGNISVSSSTSDGSTFTSESTTVQQGKVFSSLAPSAVWYTPNT  
GQTIGSVKQEGRLSLVFSQLMPVNQNAQVNANLSSENISGSLHPLASSLVNVSPTHNFSLSPSTLLNP  
TELNRDIADSQPMSAPVASKSTVTSVNTNYATLQNCSLITGQDLLSVPMTQAALGEIVPTAEDQVGHPS  
PAVHQDFVQEHRLVLQSVANMKENFLSNSESKATSSLMMLDSKSKYVLDGMVDTVCEDLETDKKEKELAKLQ  
TVQLDEDMQDL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

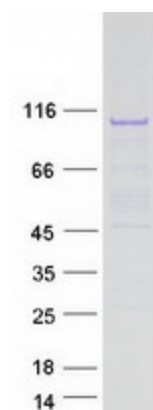
**Tag:** C-Myc/DDK  
**Predicted MW:** 82.8 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  
**Preparation:** Recombinant protein was 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.



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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:	<a href="#">NP_059116</a>
Locus ID:	51804
UniProt ID:	<a href="#">Q9UIU6</a>
RefSeq Size:	6214
Cytogenetics:	14q23.1
RefSeq ORF:	2343
Synonyms:	AREC3
Summary:	This gene encodes a member of the homeobox family, subfamily SIX. The drosophila homolog is a nuclear homeoprotein required for eye development. Studies in mouse show that this gene product functions as a transcription factor, and may have a role in the differentiation or maturation of neuronal cells. [provided by RefSeq, May 2010]

### Product images:



Coomassie blue staining of purified SIX4 protein (Cat# [TP314143]). The protein was produced from HEK293T cells transfected with SIX4 cDNA clone (Cat# [RC214143]) using MegaTran 2.0 (Cat# [TT210002]).