

Recombinant Human SIX4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SIX4-1861H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SIX4 MS Standard C13 and N15-labeled recombinant protein (NP_059116) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	82.8 kDa
AA Sequence	MSSSSPTGQIASAADIKQENGMESASEGQEAHREVAGGAAGVGLSPPAPAPFPLEPG DAATAAARVSGEEGAVAAAAAGAAADQVQLHSELLGRHHHAAAAAAQTPLAFSPD HVACVCEALQQGGNLDRLARFLWSLPQSDLLRGNESLLKARALVAFHQGIYPELYSI LESHSFESANHPLLQQLWYKARYTEAERARGRPLGAVDKYRLRRKFPLPRTIWDGE ETVYCFKEKSRNALKEYKQNRYPSPA EKRLAKITGLSLTQVSNWFKNRRQRDRN PSETQSKSESDGNPSTEDESSKGHEDLSPHPLSSSSDGITNLSLSSHMEPVYMQQI GNAKISLSSSGVLLNGSLVPASTSPVFLNGNSFIQGPSGVILNGLNVGNTQAVALNPP KMSSNIVSNGISMTDILGSTSQDVKEFKVLQSSANSATTTSSPSVPVSPFGLIPSTE VKREGIQTVASQDGGSVVTFFTPVQINQYGIVQIPNSGANSQFLNGSIGFSPLQLPPV

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SVAASQGNISVSSSTSDGSTFTSESTTVQQGKVFSSLAPSAVVYTPNTGQTIGSV
KQEGLERSLVFSQLMPVNQNAQVNANLSSSENISGSGLHPLASSLVNVSPTHNFSLS
PSTLLNPTELNRIADSQPMASAPVASKSTVTSVSNTNYATLQNCSLITGQDLLSVPMT
QAALGEIVPTAEDQVGHPSPAVHQDFVQEHLVLQSVANMKENFLSNSESKATSSL
MMLDSKSKYVLDGMVDTVCEDETDKKELAKLQTVQLDEDMQDLTRTRPLEQKLIS
EEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name SIX4 SIX homeobox 4 [Homo sapiens (human)]

Official Symbol SIX4

Synonyms SIX4; SIX homeobox 4; sine oculis homeobox (Drosophila) homolog 4, sine oculis homeobox homolog 4 (Drosophila); homeobox protein SIX4; AREC3; sine oculis homeobox homolog 4; MGC119450; MGC119452; MGC119453;

Gene ID 51804

mRNA Refseq NM_017420

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Protein Refseq	NP_059116
MIM	606342
UniProt ID	Q9UIU6

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