

Recombinant Human SIX5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SIX5-5036H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SIX5 MS Standard C13 and N15-labeled recombinant protein (NP_787071) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a homeodomain-containing transcription factor that appears to function in the regulation of organogenesis. This gene is located downstream of the dystrophia myotonica-protein kinase gene. Mutations in this gene are a cause of branchiootorenal syndrome type 2.
Molecular Mass	74.4 kDa
AA Sequence	MATLPAEPSAGPAAGGEAVAAAAATEEEEEEARQLLQTLQAAEGEAAAAAGAGAG AAAAGAEGPGSPGVPGSPPEAASEPPTGLRFSPEQVACVCEALLQAGHAGRLSRF LGALPPAERLRGSDPVLRRARALVAFQRGEYAELYRLLESRPFPAAHHAFLQDLYLRA RYHEAERARGRALGAVDKYRLRKKFPLPKTIWDGEETVYCFKERSRAALKACYRGN RYPTPDEKRRLATLTGLSLTQVSNWFKNRRQRDRGTGAGGGAPCKSES DGNPTTED ESSRSPEDLERGAAPVSAEAAAQGSIFLAGTGPPAPCPASSSILVNGSFLAASGSPA VLLNGGPVIINGLALGEASSLGPLLLTGGGGAPPPQPSPQGASET KTSVLDPQTGE VRLEEAQSEAPETKGAQVAAPGPALGEEVLGPLAQVVPGPPTAATFPLPPGPVPAV AAPQVVPLSPPPGYPTGLSPTSPLLNLQVVPTSQVVTLPQAVGPLQLLAAGPGSPV

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KVAAAAGPANVHLINSGVGVLTALQLPSATAPGNFLLANPVSGSPIVTGVAVQQGKIIL
TATFPTSMVLVSQVLPPAPGLALPLKPETAISVPEGGLPVAPSPALPEAHALGTLSAQQ
PPPAATTSSSTLSFSPDSPGLLPNFPAPPPEGLMLSPAAPVWSAGLELSAGTEGL
LEAEKGLGTQAPHTVLRLPDPDPEGLLLGATAGGEVDEGLEAEAKVLTQLQSVPE
EPELTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 [SIX5 SIX homeobox 5 \[Homo sapiens \(human\) \]](#)

Official Symbol [SIX5](#)

Synonyms SIX5; SIX homeobox 5; DMAHP, sine oculis homeobox (Drosophila) homolog 5, sine oculis homeobox homolog 5 (Drosophila); homeobox protein SIX5; sine oculis homeobox homolog 5; DM locus-associated homeodomain protein; dystrophia myotonica-associated homeodomain protein; BOR2; DMAHP;

Gene ID [147912](#)

mRNA Refseq [NM_175875](#)

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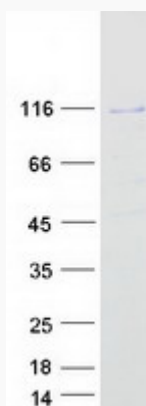
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Protein Refseq NP_787071

MIM 600963

UniProt ID Q8N196

SDS-PAGE



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