

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

Cat. No. SHOX-5586H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SHOX MS Standard C13 and N15-labeled recombinant protein (NP_000442) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene belongs to the paired homeobox family and is located in the pseudoautosomal region 1 (PAR1) of X and Y chromosomes. Defects in this gene are associated with idiopathic growth retardation and in the short stature phenotype of Turner syndrome patients. This gene is highly conserved across species from mammals to fish to flies. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.
Molecular Mass	32.1 kDa
AA Sequence	MEELTAFVSKSFDQKSKDGNNGGGGGGGGKKDSITYREVLESGLARSRELGTSDSS LQDITEGGGGHCPVHLFKDHVDNDKEKLKEFGTARVAEGIYECKEKREDVKSEDEDG QTKLKQRRSRTNFTLEQLNELERLFDETHYPDAFMREELSQRLGLSEARVQVWFQN RRAKCRKQENQMHKGVILGTANHLDACRVAPYVNMGALRMPFQQVQAQLQLEGV AHAHPHLPHLAAAHAPYLMFPPPPFGLPIASLAESASAAAVVAAAASNSKNSSIADL RLKARKHAEALGLTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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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.

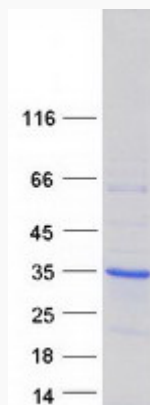
GENE INFORMATION

Gene Name	SHOX short stature homeobox [Homo sapiens (human)]
Official Symbol	SHOX
Synonyms	SHOX; short stature homeobox; short stature homeobox protein; GCFX; PHOG; SHOXY; SS; growth control factor, X-linked; short stature homeobox-containing protein; pseudoautosomal homeobox-containing osteogenic protein;
Gene ID	6473
mRNA Refseq	NM_000451
Protein Refseq	NP_000442
MIM	312865
UniProt ID	O15266

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SDS-PAGE

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