Recombinant Human SHOX cell lysate

Cat. No. SHOX-1603HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
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.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	SHOX short stature homeobox [Homo sapiens]
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

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	protein; pseudoautosomal homeobox-containing osteogenic protein;
Gene ID	6473
mRNA Refseq	NM_000451
Protein Refseq	NP_000442
MIM	312865
UniProt ID	O15266
Chromosome Location	Xp22.33 and Yp11.32
Function	protein binding; sequence-specific DNA binding transcription factor activity; transcription regulatory region sequence-specific DNA binding;

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