Recombinant Human SHOX2 cell lysate

Cat. No. SHOX2-1604HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Description	This gene is a member of the homeobox family of genes that encode proteins containing a 60-amino acid residue motif that represents a DNA binding domain. Homeobox genes have been characterized extensively as transcriptional regulators involved in pattern formation in both invertebrate and vertebrate species. Several human genetic disorders are caused by aberrations in human homeobox genes. This locus represents a pseudoautosomal homeobox gene that is thought to be responsible for idiopathic short stature, and it is implicated in the short stature phenotype of Turner syndrome patients. This gene is considered to be a candidate gene for Cornelia de Lange syndrome. Alternative splicing results in multiple transcript variants.
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	SHOX2 short stature homeobox 2 [Homo sapiens]

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Official Symbol	SHOX2
Synonyms	SHOX2; short stature homeobox 2; short stature homeobox protein 2; OG12; OG12X; SHOT; homeobox protein Og12X; SHOX homologous gene on chromosome 3; paired-related homeobox protein SHOT;
Gene ID	6474
mRNA Refseq	NM_001163678
Protein Refseq	NP_001157150
MIM	602504
UniProt ID	O60902
Chromosome Location	3q25.32
Function	transcription regulatory region sequence-specific DNA binding;

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