

Human HOXB4 Knockdown Cell Lysate

Cat. No. HOXB4-201HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated HOXB4 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	This gene is a member of the Antp homeobox family and encodes a nuclear protein with a homeobox DNA-binding domain. It is included in a cluster of homeobox B genes located on chromosome 17. The encoded protein functions as a sequence-specific transcription factor that is involved in development. Intracellular or ectopic expression of this protein expands hematopoietic stem and progenitor cells in vivo and in vitro, making it a potential candidate for therapeutic stem cell expansion.
Form	Cell-Tissue Lysis buffer
Molecular Mass	28 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific

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Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg HOXB4 KD HeLa cell lysate
Protein Families	ES Cell Differentiation/IPS, Stem cell relevant signaling - DSL/Notch pathway, Transcription Factors
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	HOXB4 homeobox B4 [Homo sapiens (human)]
Official Symbol	HOXB4
Synonyms	HOXB4; homeobox B4; homeo box B4, HOX2, HOX2F; homeobox protein Hox-B4; homeo box 2F; homeo box B4; homeobox protein Hox-2F; homeobox protein Hox-2.6; HOX2; HOX2F; HOX-2.6;
Gene ID	3214
mRNA Refseq	NM_024015
Protein Refseq	NP_076920
MIM	142965
UniProt ID	P17483

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