Recombinant Human HOXB8 Protein, GST-tagged

Cat. No. HOXB8-4968H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HOXB8 full-length ORF (BAC04730.1, 1 a.a. - 243 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. Increased expression of this gene is associated with colorectal cancer. Mice that have had the murine ortholog of this gene knocked out exhibit an excessive pathologic grooming behavior. This behavior is similar to the behavior of humans suffering from the obsessive-compulsive spectrum disorder trichotillomania. [provided by RefSeq
Molecular Mass	54.1 kDa
AA Sequence	MSSYFVNSLFSKYKTGESLRPNYYDCGFAQDLGGRPTVVYGPSSGGSFQHPSQIQ EFYHGPSSLSTAPYQQNPCAVACHGDPDNFYGYDPLQRQSLFGAQDPDLVQYADC KLAAASGLGEEAEGSEQSPSPTQLFPWMRPQAAAGRRRGRQTYSRYQTLELEKEF LFNPYLTRKRRIEVSHALGLTERQVKIWFQNRRMKWKKENNKDKFHSSKCEQEELE KQKLERAPEAADEGDAQKGDKK
Applications	Enzyme-linked Immunoabsorbent Assay

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	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	HOXB8 homeobox B8 [Homo sapiens]
Official Symbol	HOXB8
Synonyms	HOXB8; homeobox B8; homeo box B8 , HOX2, HOX2D; homeobox protein Hox-B8; homeo box 2D; homeo box B8; homeobox protein Hox-2D; homeobox protein Hox-2.4; HOX2; HOX2D; Hox-2.4;
Gene ID	3218
mRNA Refseq	NM_024016
Protein Refseq	NP_076921
MIM	142963
UniProt ID	P17481

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