Recombinant Full Length Human HOXB5 Protein, GST-tagged

Cat. No. HOXB5-3718HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HOXB5 full-length ORF (NP_002138.1, 1 a.a. - 269 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	269 amino acids
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 lung and gut development. Increased expression of this gene is associated with a distinct biologic subset of acute myeloid leukemia (AML) and the occurrence of bronchopulmonary sequestration (BPS) and congenital cystic adenomatoid malformation (CCAM) tissue. [provided by RefSeq
Molecular Mass	55.8 kDa
AA Sequence	MSSYFVNSFSGRYPNGPDYQLLNYGSGSSLSGSYRDPAAMHTGSYGYNYNGMDL SVNRSSASSSHFGAVGESSRAFPAPAQEPRFRQAASSCSLSSPESLPCTNGDSHG AKPSASSPSDQATSASSSANFTEIDEASASSEPEEAASQLSSPSLARAQPEPMATST AAPEGQTPQIFPWMRKLHISHDMTGPDGKRARTAYTRYQTLELEKEFHFNRYLTRR RRIEIAHALCLSERQIKIWFQNRRMKWKKDNKLKSMSLATAGSAFQP

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Applications	Enzyme-linked Immunoabsorbent Assay 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	HOXB5 homeobox B5 [Homo sapiens]
Official Symbol	HOXB5
Synonyms	HOXB5; homeobox B5; homeo box B5 , HOX2, HOX2A; homeobox protein Hox-B5; homeo box 2A; homeo box B5; homeobox protein Hu-1; homeobox protein Hox-2A; homeobox protein HHO.C10; HOX2; HU-1; HOX2A; Hox2.1; HHO.C10;
Gene ID	3215
mRNA Refseq	NM_002147
Protein Refseq	NP_002138
MIM	142960
UniProt ID	P09067

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