

Recombinant Full Length Human HOXA1 Protein, GST-tagged

Cat. No. HOXA1-3705HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HOXA1 full-length ORF (AAH32547, 1 a.a. - 335 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	335 amino acids
Description	In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development. This gene is part of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. The encoded protein may be involved in the placement of hindbrain segments in the proper location along the anterior-posterior axis during development. Two transcript variants encoding two different isoforms have been found for this gene, with only one of the isoforms containing the homeodomain region. [provided by RefSeq]
Molecular Mass	62.48 kDa
AA Sequence	MDNARMNSFLEYPILSSGDSGTCSARAYPSDHRITTFQSCAVSANSCGGDDRFLVG RGVQIGSPHHHHHHHHHPQPATYQTSGNLGVSYSHSSCGPSYGSQNFSAPYSPY ALNQEADVSGGYPQCAPAVYSGNLSSPMVQH HHHHHQGYAGGAVGSPQYIHHSYG

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QEHQSLALATYNNLSPLHASHQEACRSPASETSSPAQTFDWMKVKRNPPTGKV
GEYGYLGQPNAVRTNFTTKQLTELEKEFHFNKYLTRARRVEIAASLQLNETQVKIWF
QNRRMKQKKREKEGLLPISPATPPGNDEKAEESSEKSSSSPCVPSPGSSTSDTLTT
SH

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 [HOXA1 homeobox A1 \[Homo sapiens \]](#)

Official Symbol [HOXA1](#)

Synonyms HOXA1; homeobox A1; homeo box A1 , HOX1, HOX1F; homeobox protein Hox-A1; homeobox 1F; homeo box A1; lab-like protein; Hox 1.6-like protein; homeobox protein Hox-1F; HOX A1 homeodomain protein; BSAS; HOX1; HOX1F; MGC45232;

Gene ID [3198](#)

mRNA Refseq [NM_005522](#)

Protein Refseq [NP_005513](#)

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MIM	142955
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UniProt ID	P49639
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