

Recombinant Human HOXA1 Protein, GST-tagged

Cat. No. HOXA1-4937H **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	Wheat Germ
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	MDNARMNSFLEYPILSSGDSGTCSARAYPSDHRITTFQSCAVSANS CGGDDRFLVG RGVQIGSPHHHHHHHHHPQPATYQTSGNLGVSYSHSSCGPSYGSQNF SAPYSPY ALNQEADVSGGYPQCAPAVYSGNLSSPMVQH HHHHQQGYAGGAVGSPQYIHHSYG QEHQSLALATYNNSLSPLHASHQEACRSPASETSSPAQTFDWMKVKRNP PKTGKV

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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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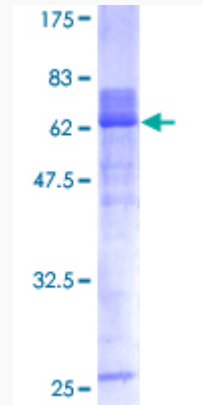
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MIM 142955

UniProt ID P49639

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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