

Recombinant Human HOXA5

Cat. No. HOXA5-29376TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human HOXA5 with a N terminal proprietary tag: Predicted molecular weight 35.53 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	90 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. Methylation of this gene may result in the loss of its expression and, since the encoded protein upregulates the tumor suppressor p53, this protein may play an important role in tumorigenesis.
Molecular Weight	35.530kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	YGDHSSVSEQFRDSASMHSGRYGYGYNGMDLSVGRSGSGHFGSGERARSYAASA SAAPAEPRYSQPATSTHSPQPDPLPCSAVAPSPGSD
Sequence Similarities	Belongs to the Antp homeobox family.Contains 1 homeobox DNA-binding domain.
GENE INFORMATION	
Gene Name	HOXA5 homeobox A5 [Homo sapiens]
Official Symbol	HOXA5
Synonyms	HOXA5; homeobox A5; homeo box A5 , HOX1, HOX1C; homeobox protein Hox-A5;
Gene ID	3202
mRNA Refseq	NM_019102
Protein Refseq	NP_061975
MIM	142952
Uniprot ID	P20719
Chromosome Location	7p15.2
Function	DNA binding; protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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