Recombinant Human HOXA5 Protein, His-tagged

Cat. No. HOXA5-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HOXA5 protein with a His-tag was expressed in E. coli
Species	Human
Source	E.coli
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 Mass	The protein has a calculated MW of 30 kDa.
AA Sequence	HHHHHHMSSYFVNSFCGRYPNGPDYQLHNYGDHSSVSEQFRDSASMHSGRYGYG YNGMDLSVGRSGSGHFGSGERARSYAASASAAPAEPRYSQPATSTHSPQPDPLPC SAVAPSPGSDSHHGGKNSLSNSSGASADAGSTHISSREGVGTASGAEEDAPASSE QASAQSEPSPAPPAQPQIYPWMRKLHISHDNIGGPEGKRARTAYTRYQTLELEKEF HFNRYLTRRRRIEIAHALCLSERQIKIWFQNRRMKWKKDNKLKSMSMAAAGGAFRP
Purity	>85% by SDS-PAGE

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

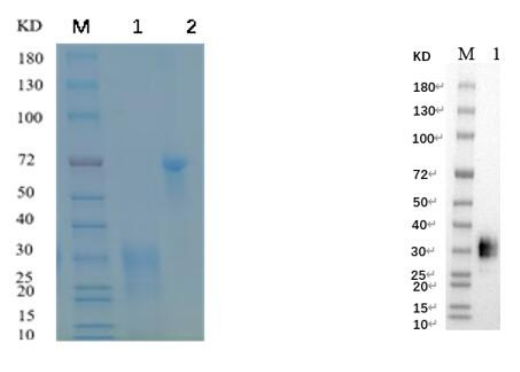
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	1 mg/mL
Storage Buffer	50mM Tris pH8.0, 300mM NaCl

GENE INFORMATION

Gene Name	HOXA5 homeobox A5 [Homo sapiens (human)]
Official Symbol	HOXA5
Synonyms	HOXA5; homeobox A5; homeo box A5 , HOX1, HOX1C; homeobox protein Hox-A5; homeo box 1C; homeo box A5; homeobox protein HOXA5; homeobox protein Hox-1C; HOX1; HOX1C; HOX1.3; MGC9376;
Gene ID	3202
mRNA Refseq	NM_019102
Protein Refseq	NP_061975
MIM	142952
UniProt ID	P20719

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

SDS-PAGE:



Reducing 12% SDS-PAGE and WB analysis profile of purified HOXA5

1. HOXA5

2. BSA

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA