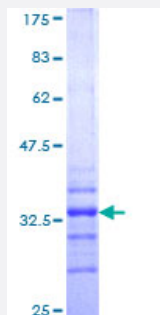


HOXA7 (Human) Recombinant Protein (Q01)

Catalog # H00003204-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human HOXA7 partial ORF (NP_008827, 58 a.a. - 112 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	NSPLYQSPFASGYGLGADAYGNLPCASYDQNIPLCSDLAKGACDKTDEGALHGA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	31.79
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — HOXA7

Entrez GeneID [3204](#)

GeneBank Accession# [NM_006896](#)

Protein Accession# [NP_008827](#)

Gene Name HOXA7

Gene Alias ANTP, HOX1, HOX1.1, HOX1A

Gene Description homeobox A7

Omim ID [142950](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. For example, the encoded protein represses the transcription of differentiation-specific genes during keratinocyte proliferation, but this repression is then overcome by differentiation signals. This gene is highly similar to the antennapedia (Antp) gene of Drosophila. [provided by RefSeq]

Other Designations OTTHUMP00000024835|homeobox A7|homeobox protein HOX-1A

Disease

- [Cleft Lip](#)
- [Cleft Palate](#)