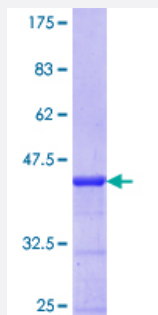


HOXA1 (Human) Recombinant Protein (Q01)

Catalog # H00003198-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human HOXA1 partial ORF (NP_005513.1, 11 a.a. - 119 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	EYPILSSGDSGTCSARAYPSDHRITTFQSCAVSANSCGGDDRFLVGRGVQIGSPHHHHHHHHHP QPATYQTSGNLGVSYSHSSCGPSYGSQNFSAPYSPYALNQEADV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.73
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 — HOXA1

Entrez GeneID	3198
GeneBank Accession#	NM_005522
Protein Accession#	NP_005513.1
Gene Name	HOXA1
Gene Alias	BSAS, HOX1, HOX1F, MGC45232
Gene Description	homeobox A1
Omim ID	142955 601536
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. 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]
Other Designations	HOX A1 homeodomain protein Hox 1.6-like protein homeo box A1 homeobox 1F homeobox protein HOX-A1 lab-like protein

Disease

- [Asperger Syndrome](#)
- [Autistic Disorder](#)

- [Child Development Disorders](#)
- [Fragile X syndrome](#)
- [Functional Laterality](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Schizophrenia](#)
- [Social Perception](#)