Datasheet for ABIN7317346

HOXA1 Protein (His tag)

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Overview

Quantity:	50 µg
Target:	HOXA1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HOXA1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human HOXA1 Protein (His Tag)
Sequence:	Met 1-His 335
Characteristics:	A DNA sequence encoding the mature form of human HOXA1 isoform 3 (P49639-1) (Met 1-His 335) was expressed, with a polyhistide tag at the N-terminus.
Purity:	> 85 % as determined by reducing SDS-PAGE.

Target Details

Target:	HOXA1
Alternative Name:	HOXA1 (HOXA1 Products)
Background:	Background: Homeobox protein Hox-A1 is a transcription factor encoded by HOXA1 gene. This gene is one of the four types of homeobox genes each of which contains a homobox DNA sequence that codes for the homeodomain, a region of 60 amino acids responsible for the DNA binding exhibited by these homeobox proteins. These Homeobox genes are essential metazoan

Target Details

	genes as they determine the identity of embryonic regions along the anterio-posterior axis. The homeobox protein Hox-A1 may be involved in the placement of hindbrain segments in the proper location along the anterior-posterior axis during development. Early in its development, the vertebrate hindbrain is transiently subdivided into a series of compartments called rhombomeres. Genes have been identified whose expression patterns distinguish these cellular compartments. Two of these genes, Hoxa1 and Hoxa2, have been shown to be required for proper patterning of the early mouse hindbrain and the associated neural crest. It has been detected HOXA1 expression in a variety of human breast cancer lesions, suggesting that HOXA1 may be required for the establishment of breast cancer cells phenotype. Synonym: BSAS;HOX1;HOX1F
Molecular Weight:	38 kDa
Pathways:	Sensory Perception of Sound

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 50 mM Tris, 30 % glycerol, pH 7.5
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.