abcam

Product datasheet

Recombinant Human MEIS1 protein ab112321

1 Image

Description

Product name	Recombinant Human MEIS1 protein
Expression system	Wheat germ
Accession	O00470
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MAQRYDDLPHYGGMDGVGIPSTMYGDPHAARSMQPVHH LNHGPPLHSHQY PHTAHTNAMAPSMGSSVNDALKRDKDAIYGHPLFPLLALI
Predicted molecular weight	36 kDa including tags
Amino acids	1 to 90
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab112321** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE ELISA Western blot
Form	Liquid

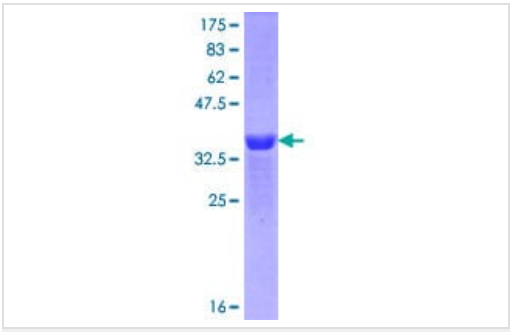
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function	Acts as a transcriptional regulator of PAX6. Acts as a transcriptional activator of PF4 in complex with PBX1 or PBX2. Required for hematopoiesis, megakaryocyte lineage development and vascular patterning. May function as a cofactor for HOXA7 and HOXA9 in the induction of myeloid leukemias.
Tissue specificity	Expressed at low level in normal immunohepatopoietic tissues, including the fetal liver. Expressed in a subset of myeloid leukemia cell lines, with the highest expression seen in those with a megakaryocytic-erythroid phenotype. Also expressed at high levels in the cerebellum.
Involvement in disease	Defects in MEIS1 could be a cause of susceptibility to restless legs syndrome type 7 (RLS7) [MIM:612853]. Restless legs syndrome (RLS) is a neurologic sleep/wake disorder characterized by uncomfortable and unpleasant sensations in the legs that appear at rest, usually at night, inducing an irresistible desire to move the legs. The disorder results in nocturnal insomnia and chronic sleep deprivation.
Sequence similarities	Belongs to the TALE/MEIS homeobox family. Contains 1 homeobox DNA-binding domain.
Cellular localization	Nucleus.

Images



SDS-PAGE - Recombinant Human MEIS1 protein (ab112321)

ab112321 analysed on a 12.5% SDS-PAGE gel stained with Coomassie Blue.

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