

Recombinant Human AFF1 Protein, GST-tagged

Cat. No. AFF1-405H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AFF1 partial ORF (NP_005926.1, 71 a.a. - 170 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a member of the AF4/ lymphoid nuclear protein related to AF4/Fragile X E mental retardation syndrome family of proteins, which have been implicated in childhood lymphoblastic leukemia, Fragile X E site mental retardation, and ataxia. It is the prevalent mixed-lineage leukemia fusion gene associated with spontaneous acute lymphoblastic leukemia. Members of this family have three conserved domains: an N-terminal homology domain, an AF4/ lymphoid nuclear protein related to AF4/Fragile X E mental retardation syndrome domain, and a C-terminal homology domain. The protein functions as a regulator of RNA polymerase II-mediated transcription through elongation and chromatin remodeling functions. Through RNA interference screens, this gene has been shown to promote the expression of CD133, a plasma membrane glycoprotein required for leukemia cell survival. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]
Molecular Mass	36.74 kDa
AA Sequence	LSTKSHTHRLDASENRLGKPKYPLIPDKGSSIPSSSFHTSVHHQSIHTPASGPLSVGN

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ISHNPKMAQPRTEPMPSLHAKSCGPPDSQHLTQDRLGQEGFG

Applications

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

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[AFF1 AF4/FMR2 family, member 1 \[Homo sapiens \]](#)

Official Symbol

[AFF1](#)

Synonyms

AFF1; AF4/FMR2 family, member 1; MLLT2, myeloid/lymphoid or mixed lineage leukemia (trithorax (Drosophila) homolog); translocated to, 2, PBM1, pre B cell monocytic leukemia partner 1; AF4/FMR2 family member 1; AF 4; AF4; protein AF-4; proto-oncogene AF4; pre-B-cell monocytic leukemia partner 1; ALL1-fused gene from chromosome 4 protein; myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 2; PBM1; MLLT2; MGC134969;

Gene ID

[4299](#)

mRNA Refseq

[NM_001166693](#)

Protein Refseq

[NP_001160165](#)

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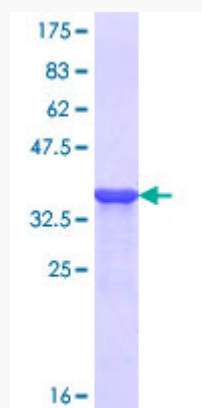
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MIM 159557

UniProt ID P51825

Quality Control
Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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