Recombinant Human AFF1 protein, His & T7-tagged

Cat. No. AFF1-1732H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AFF1 aa. (Met1~Gly183 (Accession # P51825)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Gly183
Description	This gene encodes a member of the AF4/ lymphoid nuclear protein related to the Fragile X E syndrome (FRAXE) family of proteins, which have been implicated in human childhood lymphoblastic leukemia, fragile chromosome X intellectual disability, 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 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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 24.2kDa

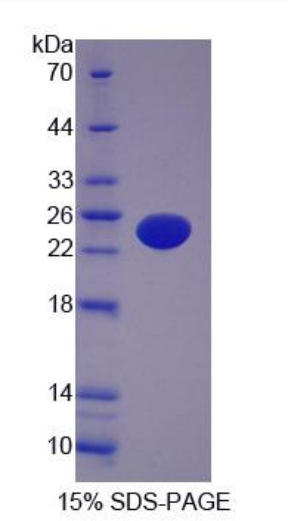
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Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	9

GENE INFORMATION

Gene Name	AFF1 AF4/FMR2 family member 1 [Homo sapiens (human)]
Official Symbol	AFF1
Synonyms	AFF1; AF4/FMR2 family member 1; AF4; PBM1; MLLT2; ALL1-fused gene from chromosome 4 protein; myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 2; pre-B-cell monocytic leukemia partner 1; proto-oncogene AF4

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Gene ID	4299
mRNA Refseq	NM_001166693.2
Protein Refseq	NP_001160165.1
UniProt ID	P51825
SDS-PAGE	

15% SDS-PAGE

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