

MLLT3/AF9 recombinant protein

Recombinant MLLT3/AF9 (1-138) protein, His/DYKDDDDK Tag

CATALOG #
AAA60171

HOST
E Coli

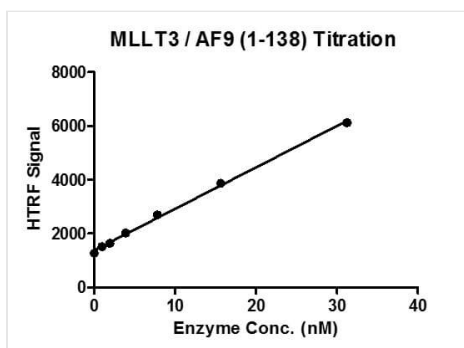
PRODUCT SYNONYMS

MLLT3/AF9; Recombinant MLLT3/AF9 (1-138) protein; His/DYKDDDDK Tag; Myeloid/Lymphoid or Mixed-Lineage Leukemia; translocated to; 3; MLLT3/AF9 recombinant protein

PRODUCT SPECIFICATIONS

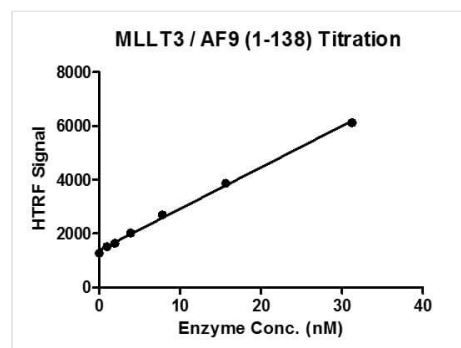
Host	E Coli
Form/Format	Recombinant MLLT3/AF9 (1-138) protein, His/DYKDDDDK-Tag is supplied in 25mM Tris-HCl pH7.4, 500mM NaCl, 10% glycerol, 1mM Na-EDTA and 0.5mM TCEP.
Protein Species	Human
Tag	DYKDDDDK-Tag, His-Tag
Notes	Recombinant MLLT3/AF9 (1-138) protein, His/DYKDDDDK tag is suitable for use in binding assay, inhibitor screening, and selectivity profiling.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage. Shipping Temp: Dry Ice

IMAGES



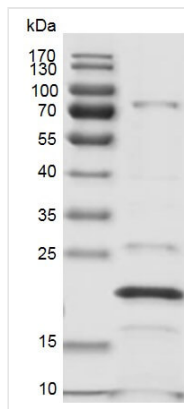
Application Data

Recombinant MLLT3 / AF9 (1-138) protein, His / DYKDDDDK-Tag activity assay 3 μ M H3K27cr (crotonylated Lysine 27) peptide was incubated with different concentrations of MLLT3 / AF9 (1-138) protein, in a 10 μ l system containing 50 mM HEPES-NaOH pH 7.4, 0.1% BSA for 1 hr, then 10 μ l DYKDDDDK antibody and SA-XL665 mixture (each 1:100 dilution in binding buffer) was added to each reaction system and incubated for 30 min. All operations and reactions were performed at room temperature. HTRF assay was used for detection.



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SDS-PAGE

Recombinant MLLT3 / AF9 (1-138) protein, His / DYKDDDDK-Tag 10% SDS-PAGE
Coomassie staining MW: 20.8 kDa Purity: >79%

ADDITIONAL INFORMATION

Related Product Information for MLLT3/AF9 recombinant protein	Short Description: Recombinant human MLLT3/AF9 (1-138) protein, His/DYKDDDDK-Tag includes amino acids 1-138 (accession number NP_004520.2) was expressed in E Coli with an N-terminal 6xHis-tag and a C-terminal DYKDDDDK-Tag. The molecular weight of the protein is 20.8 kDa. It is suitable for use in binding assays, inhibitor screening, and selectivity profiling. Background: MLLT3 (Myeloid/Lymphoid Or Mixed-Lineage Leukemia; translocated To, 3), also known as AF9 or YEATS3, is a component of the super elongation complex (SEC), a complex required to increase the catalytic rate of RNA polymerase II transcription by suppressing transient pausing by the polymerase at multiple sites along the DNA. It specifically recognizes and binds acylated histone H3, with a marked preference for histone H3 that is crotonylated. Crotonylation marks active promoters and enhancers and confers resistance to transcriptional repressors. In the SEC complex, MLLT3 is required to recruit the complex to crotonylated histones.
Product Categories/Family for MLLT3/AF9 recombinant protein	Recombinant Proteins ; Transcription

NCBI AND UNIPROT INFORMATION

NCBI GI #	156104889
NCBI GeneID	4300
NCBI Accession #	NP_004520.2
NCBI GenBank Nucleotide #	NM_004529.3
UniProt Accession #	P42568; Q8IVB0; B1AMQ2; B2R7B3; B7Z755; D3DRJ8
Molecular Weight	63,106 Da
NCBI Official Full Name	protein AF-9 isoform a
NCBI Official Synonym Full Names	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 3
NCBI Official Symbol	MLLT3
NCBI Official Synonym Symbols	AF9; YEATS3
NCBI Protein Information	protein AF-9; YEATS domain-containing protein 3; ALL1-fused gene from chromosome 9 protein; myeloid/lymphoid or mixed-lineage leukemia translocated to chromosome 3 protein; myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog); translocated to, 3
UniProt Protein Name	Protein AF-9
UniProt Gene Name	MLLT3
UniProt Synonym Gene Names	AF9; YEATS3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mlt3-recombinant-protein-e-coli/60171>