

ASH1L recombinant protein

Recombinant ASH1L (2407-2579) protein

CATALOG #
AAA59687

HOST
E Coli

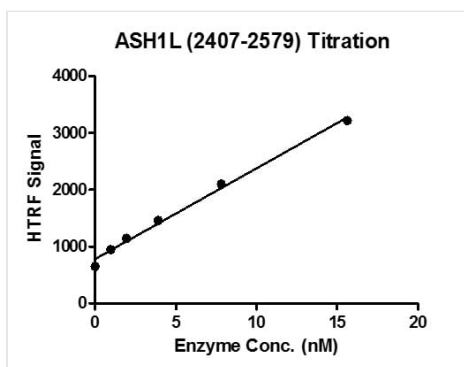
PRODUCT SYNONYMS

ASH1L; Recombinant ASH1L (2407-2579) protein; ASH1; KMT2H; ASH1L1; ASH1L recombinant protein

PRODUCT SPECIFICATIONS

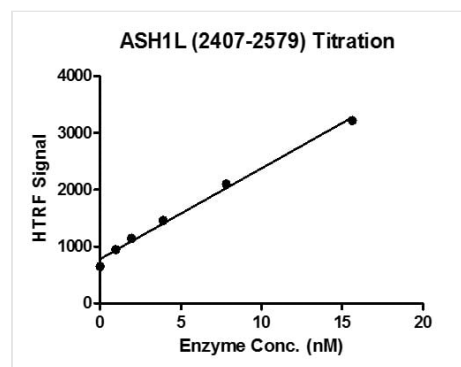
Host	E Coli
Form/Format	Recombinant ASH1L (2407-2579) protein was expressed in E Coli cells and is supplied in 25mM Tris-HCl pH8.0, 300mM NaCl, and 10% glycerol.
Protein Species	Human
Tag	DYKDDDDK-Tag, His-Tag
Notes	Recombinant ASH1L (2407-2579) is suitable for use in binding assays, inhibitor screening, 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



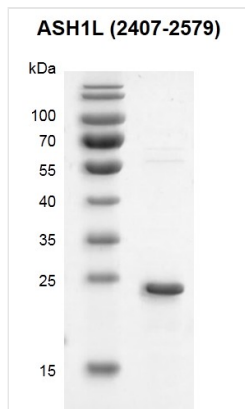
Application Data

HTRF assay for ASH1L (2407-2579) activity 3 μ M histone H4K5/8/12/16(ac4) peptide was incubated with different concentrations of ASH1L (2407-2579) protein in a 10 μ l reaction system containing 50 mM HEPES-NaOH pH 7.4, 0.1% BSA for 1 hour, then 10 μ l DYKDDDDK antibody and SA-XL665 mixture (each 1:100 dilution in the reaction buffer) was added to each reaction system and incubated for 30 min. All the operations and reactions were performed at room temperature. HTRF assay was used for detection.



Application Data

HTRF assay for ASH1L (2407-2579) activity 3 μ M histone H4K5/8/12/16(ac4) peptide was incubated with different concentrations of ASH1L (2407-2579) protein in a 10 μ l reaction system containing 50 mM HEPES-NaOH pH 7.4, 0.1% BSA for 1 hour, then 10 μ l DYKDDDDK antibody and SA-XL665 mixture (each 1:100 dilution in the reaction buffer) was added to each reaction system and incubated for 30 min. All the operations and reactions were performed at room temperature. HTRF assay was used for detection.



SDS-PAGE

Recombinant ASH1L (2407-2579) protein gel. ASH1L (2407-2579) protein was run on a 12% SDS-PAGE gel and stained with Coomassie Blue. MW: 23.2 kDa Purity: > 85%

ADDITIONAL INFORMATION

Related Product Information for ASH1L recombinant protein	Short Description: The peptide corresponding to amino acids 2407-2579 that contains the bromodomain sequences of ASH1L (accession number NP_060959.2) was expressed in E Coli and contains an N-terminal His-tag and C-terminal DYKDDDDK tag with an observed molecular weight of 25.6 kDa. ASH1L is a member of the Trithorax group of transcriptional activators. The protein contains four AT hooks, a SET domain, a PHD-finger motif, and a bromodomain. The bromodomain functions as a 'reader' of epigenetic histone marks and regulates chromatin structure and gene expression by linking associated proteins to the recognized acetylated nucleosomal targets. ASH1L is localized to the nucleus and also to cell-cell tight junctions where it is hypothesized to function in adhesion-mediated signaling. ASH1L functions in methylation of H3K4 and regulation of expression of HOX genes and may possess methyltransferase activity directed at H3K36. ASH1L has also been implicated in facioscapulohumeral muscular dystrophy. Recombinant ASH1L (2407-2579) can be used in binding assays and inhibitor screening. Background: ASH1L is a member of the Trithorax group of transcriptional activators. The protein contains four AT hooks, a SET domain, a PHD-finger motif, and a bromodomain. The bromodomain functions as a 'reader' of epigenetic histone marks and regulates chromatin structure and gene expression by linking associated proteins to the recognized acetylated nucleosomal targets. ASH1L is localized to the nucleus and also to cell-cell tight junctions where it is hypothesized to function in adhesion-mediated signaling. ASH1L functions in methylation of H3K4 and regulation of expression of HOX genes and may possess methyltransferase activity directed at H3K36. ASH1L has also been implicated in facioscapulohumeral muscular dystrophy.
Product Categories/Family for ASH1L recombinant protein	Recombinant Proteins ; Bromodomain

NCBI AND UNIPROT INFORMATION

NCBI GI #	110349787
NCBI GeneID	55870
NCBI Accession #	NP_060959.2
NCBI GenBank Nucleotide #	NM_018489
Molecular Weight	332,211 Da
NCBI Official Full Name	Homo sapiens ash1 (absent, small, or homeotic)-like (Drosophila) (ASH1L), mRNA
NCBI Official Synonym Full Names	ash1 (absent, small, or homeotic)-like (Drosophila)
NCBI Official Symbol	ASH1L
NCBI Official Synonym Symbols	ASH1; KMT2H; ASH1L1
NCBI Protein Information	histone-lysine N-methyltransferase ASH1L; ASH1-like protein; absent small and homeotic disks protein 1 homolog; lysine N-methyltransferase 2H; probable histone-lysine N-methyltransferase ASH1L

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ash1l-recombinant-protein-e-coli/59687>