

Recombinant human Set1/Ash2 histone methyltransferase complex subunit ASH2



Catalog No: #AP71587

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Package Size: #AP71587-1 20ug #AP71587-2 100ug #AP71587-3 1mg

Description

Product Name	Recombinant human Set1/Ash2 histone methyltransferase complex subunit ASH2
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-534aaSequence Info:Full Length of Isoform 3
Other Names	ASH2-like protein
Accession No.	Q9UBL3
Uniprot	Q9UBL3
GeneID	9070;
Calculated MW	76.2 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MDTQAGSVDEENGRQLGLEVELQCGICTKWFTADTFGIDTSSCLPFMTNYSFHCNVCHHSGNTYFLRKQANLK EMCLSALANLWQSRTQDEHPKTMFSKDKDIIPFDIKYWECEMTRQRPGKMTWPNNIVKMSKERDVFVKE HPDPGSKDPEEDYPKFGLLDQDLNIGPAYDNQKQSSAVSTSGNLNGGIAAGSSGKGRGAKRKQDGGTTG TTKKARSDPLFSAQRLPPHGYPLEHPFNKDGRYILAEPDPHAPDPEKLELDCWAGKPIPGDLYRACLYERVL LALHDRAPQLKISDDRLTVVGEKGYSMVRASHGVRKGAWYFEITVDEMPPTAARLWGSQPLGNLQAPLGY DKFSYSWRSKKGTFHQSIGKHYSSGYGGDVLGFYINLPEDTETAKSLPDTYKDKALIKFKSYLYFEEDFVD KAEKSLKQTPHSEIIFYKNGVNGVAYKDIFEGVYFPAISLYKSCTVSINFGPCFKYPPKDLTYRPMSDMGWGA VVEHTLADVLYHVETEVDGRRSPWEP
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Component of the Set1,Ash2 histone methyltransferase (HMT) complex, a complex that specifically methylates 'Lys-4' of histone H3, but not if the neighboring 'Lys-9' residue is already methylated. As part of the MLL1,MLL complex it is involved in methylation and dimethylation at 'Lys-4' of histone H3. May function as a transcriptional regulator. May play a role in hematopoiesis.

References

Cloning and characterization of ASH2L and ash2l, human and mouse homologs of the Drosophila ash2 gene.Ikegawa S., Isomura M., Koshizuka Y., Nakamura Y.Cytogenet. Cell Genet. 84:167-172(1999)Research Topic:Transcription

Note: This product is for in vitro research use only