

Active Recombinant Human PBRM1, His&FLAG-tagged

Cat. No. PBRM1-59H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PBRM1 corresponding to amino acids 613 - 734 that contains the bromodomain sequences of PBRM1 (accession number NP_060635.2) was expressed in E. coli and contains an N-terminal His tag and C-terminal FLAG tag with an observed molecular weight of 20.513 kDa.
Species	Human
Source	E.coli
ProteinLength	613-734 a.a.
Description	Polybromo 1 (PBRM1) protein, also known as BRG1-associated factor 180 (BAF180) is the chromatin targeting subunit of the SWI/SNF-B (PBAF) chromatin remodeling complex that is involved in transcriptional activation and repression of select genes. PBRM1 targets chromatin via its six bromodomains that recognize and bind acetylated histone lysine residues. Bromodomains function as "readers" of these epigenetic histone marks and regulate chromatin structure and gene expression by linking associated proteins to the acetylated nucleosomal targets. PBRM1 also acts as an inhibitor of cell proliferation and demonstrates tumor suppressing properties in relation to breast, liver and lung cancers.
Form	25 mM HEPES pH 7.5, 150 mM NaCl and 5% glycerol.
Bio-activity	It shows binding specificity for acetylated H3K14.

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Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80°C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.
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Concentration	2.98 mg/ml
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GENE INFORMATION

Gene Name	PBRM1 polybromo 1 [Homo sapiens]
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Official Symbol	PBRM1
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Synonyms	PBRM1; polybromo 1; protein polybromo-1; BAF180; PB1; polybromo-1D; BRG1-associated factor 180; MGC156155; MGC156156;
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Gene ID	55193
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mRNA Refseq	NM_018313
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Protein Refseq	NP_060783
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MIM	606083
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UniProt ID	Q86U86
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Chromosome Location	3p21
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Function	DNA binding; chromatin binding; protein binding;
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