

Recombinant Human PBRM1, His&FLAG-tagged

Cat. No. PBRM1-60H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PBRM1 corresponding to amino acids 741 - 885 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 21.988 kDa.
Species	Human
Source	E.coli
ProteinLength	741-885 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.
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

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when not in storage.

Concentration 7.78 mg/ml

GENE INFORMATION

Gene Name PBRM1 polybromo 1 [Homo sapiens]

Official Symbol PBRM1

Synonyms PBRM1; polybromo 1; protein polybromo-1; BAF180; PB1; polybromo-1D; BRG1-associated factor 180; MGC156155; MGC156156;

Gene ID 55193

mRNA Refseq NM_018313

Protein Refseq NP_060783

MIM 606083

UniProt ID Q86U86

Chromosome Location 3p21

Function DNA binding; chromatin binding; protein binding;

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