Recombinant Human BRPF3, GST-tagged

Cat. No. BRPF3-160H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BRPF3 bromodomain (576-701 aa) fused to a GST tag at the N-terminus
Species	Human
Source	E.coli
ProteinLength	576-701 a.a.
Description	The acetylation of histone lysine residues plays a crucial role in the epigenetic regulation of gene transcription. A bromodomain is a protein domain that recognizes acetylated lysine residues such as those on the N-terminal tails of histones. This recognition is often a prerequisite for protein-histone association and chromatin remodeling. These domains function in the linking of protein complexes to acetylated nucleosomes, thereby controlling chromatin structure and gene expression. Thus, bromodomains serve as “readers” of histone acetylation marks regulating the transcription of target promoters. Bromodomain and PHD finger containing 3 (BRPF3) is a component of the MOZ/MORF histone acetyltransferase (HAT) complex. The addition of BRPF proteins to MOZ/MORF increases its HAT activity.3 Consequently, BRPF3 is likely to play a role in regulation of transcriptional activation by MOZ/MORF. This product contains the first bromodomain of BRPF3.
Form	Liquid. 50 mM Tris, pH 7.5, containing 500 mM sodium chloride, 5 mM β-mercaptoethanol and 5% glycerol.

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Molecular Mass	41.2 kDa (576-701 aa + NT GST Tag)
Purity	≥95%
Storage	Store at -80°C. Avoid repeated freeze and thaw cycles. Stable for 1 year.

GENE INFORMATION

Gene Name	BRPF3 bromodomain and PHD finger containing, 3 [Homo sapiens]
Official Symbol	BRPF3
Synonyms	BRPF3; bromodomain and PHD finger containing, 3; bromodomain and PHD finger-containing protein 3; KIAA1286;
Gene ID	27154
mRNA Refseq	NM_015695
Protein Refseq	NP_056510
UniProt ID	Q9ULD4
Chromosome Location	6p21.31
Pathway	Hemostasis, organism-specific biosystem; Platelet activation, signaling and aggregation, organism-specific biosystem; Platelet degranulation, organism-specific biosystem; Response to elevated platelet cytosolic Ca2+, organism-specific biosystem;
Function	metal ion binding; protein binding; zinc ion binding;

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