

Recombinant Human BRPF1 Protein

Cat. No. BRPF1-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Bromodomain and PHD finger-containing protein 1 (aa 622-738), with five additional N-terminal cloning residues; expressed in E. Coli with optimized DNA sequence.
Species	Human
Source	E.coli
ProteinLength	622-738aa
Description	This gene encodes a bromodomain, PHD finger and chromo/Tudor-related Pro-Trp-Trp-Pro (PWWP) domain containing protein. The encoded protein is a component of the MOZ/MORF histone acetyltransferase complexes which function as a transcriptional regulators. This protein binds to the catalytic MYST domains of the MOZ and MORF proteins and may play a role in stimulating acetyltransferase and transcriptional activity of the complex. Alternative splicing results in multiple transcript variants.
Form	50 mM HEPES pH 7.5, 150 mM NaCl, 1 mM TCEP; 5 % Glycerol.
Stability	Product is stable for at least 3 months from date of shipment. Stability is limited at temperatures above 20 centigrade; keep on ice upon usage. Mix gently, do not vortex.
Storage	Store at -80 centigrade.

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Concentration	4 mg/mL (280 μM)
Storage Buffer	50 mM HEPES pH 7.5, 150 mM NaCl, 1 mM TCEP; 5 % Glycerol.
Shipping	dry ice
tmpcolumn67	bromodomain and PHD finger containing 1

GENE INFORMATION

Gene Name	BRPF1 bromodomain and PHD finger containing 1 [Homo sapiens (human)]
Official Symbol	BRPF1
Synonyms	BR140; IDDDFP
Gene ID	7862
mRNA Refseq	NM_004634
Protein Refseq	NP_004625
MIM	602410
UniProt ID	P55201

Correct size according to SEC

The BRPF1B was analyzed on an analytical SEC column Superdex 75 10/300 increase, equilibrated with buffer SEC (50 mM HEPES pH 7.5, 150 mM NaCl; 1 mM TCEP; 5 % Glycerol).

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SDS-PAGE

The BRPF1B protein material is pure according to SDS-PAGE, Coomassie stained.
The only disturbing bands can be assigned to overflow from the marker sample.

**Thermo-
Fluorescence and
Ligand binding by
Differential Scanning
Fluorometry
(nanoDSF)**

The thermal stability and ligand binding ability of the protein material was analyzed
by nanoDSF using a 1/10 dilution.

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