

## Recombinant Human BRPF1 Protein

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	622-738aa
<b>Description</b>	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.
<b>Form</b>	50 mM HEPES pH 7.5, 150 mM NaCl, 1 mM TCEP; 5 % Glycerol.
<b>Stability</b>	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.
<b>Storage</b>	Store at -80 centigrade.

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<b>Concentration</b>	4 mg/mL (280 $\mu$ M)
<b>Storage Buffer</b>	50 mM HEPES pH 7.5, 150 mM NaCl, 1 mM TCEP; 5 % Glycerol.
<b>Shipping</b>	dry ice
<b>tmpcolum67</b>	bromodomain and PHD finger containing 1

## GENE INFORMATION

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