

BRPF2
Catalog # PVGS1315**Specification**

BRPF2 - Product Information

Primary Accession

[NM_014577](#)**Species**

Human

SequenceMHHHHHHELR LTPLTVLLRS VLDQLQDKDP ARIFAQPVSL KEVPDYLDHI KHPMDFATMR KRLEAQGYKN
LHEFEEDFDL IIDNCMKYNA RDTVFYRAAV RLRDQGGVVL RQARR**Purity**

> 95% by SDS-PAGE and HPLC analysis.

Endotoxin Level

< 1EU/ µg, determined by LAL method.

Formulation

**Sterile liquid solution contains 25mM
HEPES, pH7.5, 150mM NaCl, 5% glycerol,
0.5 mM TCEP. Frozen solution.****BRPF2 - Additional Information****Target Background**

Bromodomain (BRD) is an extensive family of protein domains, originally identified in and named after the *Drosophila* protein Brahma. Members of BRD family share a conserved atypical left-handed four helix bundle structure, and specifically bind to ε-lysine acetylated proteins. It is well known that histone acetylation and methylation play a central role in epigenetics and are important for various gene transcription events, thus the acetyl-lysine binding property of BRDs make them suitable drug targets for epigenetics. Currently, there are 46 diverse human proteins containing 61 BRDs. These include histone acetyltransferases, ATP-dependent chromatin-remodeling complex proteins, and nuclear scaffold proteins. The main functions of BRDs *in vivo* include chromatin acetylation and deacetylation, nucleosome assembly and remodeling, and organizations of chromosome or chromatin domains. Recombinant **human BRD1 (561-668)** with His tag produced in *E. coli* is a single, non-glycosylated polypeptide chain containing 115 amino acids. A fully biologically active molecule, BRD1 (561-668) has a molecular mass of 13.7 kDa analyzed by reducing SDS-PAGE and is obtained by proprietary chromatographic techniques at .

BRPF2 - Protein Information**BRPF2 - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

BRPF2 - Images