

BRPF1 recombinant protein

Recombinant BRPF1 (627-746) protein

CATALOG #
AAA59644

HOST
E Coli

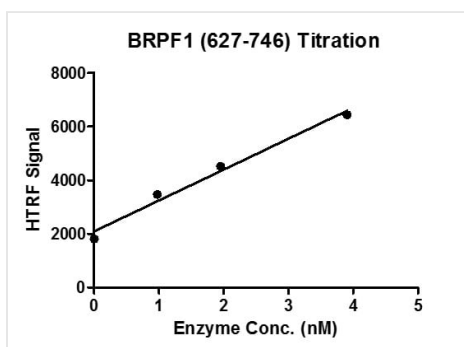
PRODUCT SYNONYMS

BRPF1; Recombinant BRPF1 (627-746) protein; BR140; Peregrin; BRPF1 recombinant protein

PRODUCT SPECIFICATIONS

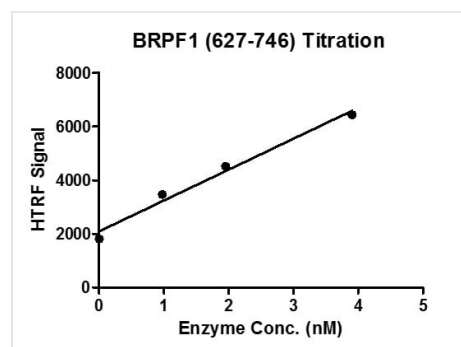
Host	E Coli
Purity/Purification	The recombinant protein is >90% pure by SDS-PAGE.
Form/Format	Recombinant BRPF1 (627-746) protein expressed in E Coli and provided in 25mM Tris pH8, 300mM NaCl and 10% glycerol.
Protein Species	Human
Tag	DYKDDDDK-Tag, His-Tag
Notes	Recombinant BRPF1 (627-746) is suitable for use in binding assays, inhibitor screening, and selectivity profiling.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage. Shipping Temp: Dry Ice

IMAGES



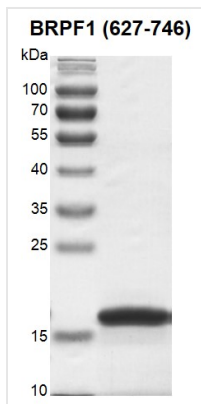
Application Data

HTRF assay for BRPF1 (627-746) activity 3 uM histone H3K27ac peptide was incubated with different concentrations of BRPF1 (627-746) protein in 10 ul reaction system containing 50 mM HEPES-NaOH pH 7.4, 0.1% BSA for 1 hour, then 10 ul DYKDDDDK antibody and SA-XL665 mixture (each 1:100 dilution in the reaction buffer) was added to each reaction system and incubated for 30 min. All operations and reactions were performed at room temperature. HTRF assay was used for detection.



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SDS-PAGE

Recombinant BRPF1 (627-746) protein gel. BRPF1 (627-746) protein was run on a 12% SDS-PAGE gel and stained with Coomassie Blue. M: 17.4 kDa Purity: > 90%

ADDITIONAL INFORMATION

Related Product Information for BRPF1 recombinant protein

Short Description: The peptide corresponding to amino acids 627-746 that contains the bromodomain sequences of BRPF1 (accession number NM_001003694.1) was expressed in E Coli and contains an N-terminal His-tag and C-terminal DYKDDDDK tag with an observed molecular weight of 20.3 kDa. Bromodomain and PHD finger containing (BRPF1) protein is a component of the MOZ/MORF complex which has histone H3 acetyltransferase activity. The bromodomain of BRPF1 recognizes acetylated histone lysine residues and function as a 'reader' of these epigenetic histone marks to regulate chromatin structure and gene expression by linking associated proteins to the recognized acetylated nucleosomal targets. BRPF1 is known to positively regulate the transcription of RUNX1 and RUNX2. Recombinant BRPF1 (627-746) can be used in binding assays and inhibitor screening.

Background: Bromodomain and PHD finger containing (BRPF1) protein is a component of the MOZ/MORF complex which has histone H3 acetyltransferase activity. The bromodomain of BRPF1 recognizes acetylated histone lysine residues and function as a 'reader' of these epigenetic histone marks to regulate chromatin structure and gene expression by linking associated proteins to the recognized acetylated nucleosomal targets. BRPF1 is known to positively regulate the transcription of RUNX1 and RUNX2.

Product Categories/Family for BRPF1 recombinant protein

Recombinant Proteins; Bromodomain

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide

NM_001003694.1

Molecular Weight

Molecular weight of 17.4kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/brpf1-recombinant-protein-e-coli/59644>