

BPTF/FALZ recombinant protein

Recombinant BPTF/FALZ (2791-2911) protein

CATALOG #
AAA59689

HOST
E Coli

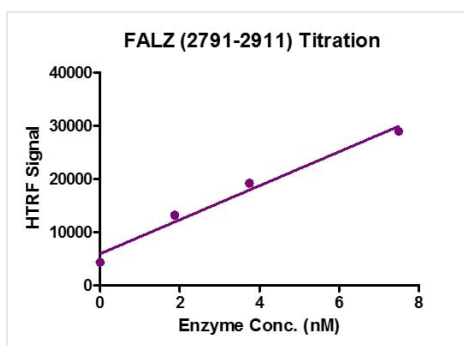
PRODUCT SYNONYMS

BPTF/FALZ; Recombinant BPTF/FALZ (2791-2911) protein; FAC1; NURF301; BPTF/FALZ recombinant protein

PRODUCT SPECIFICATIONS

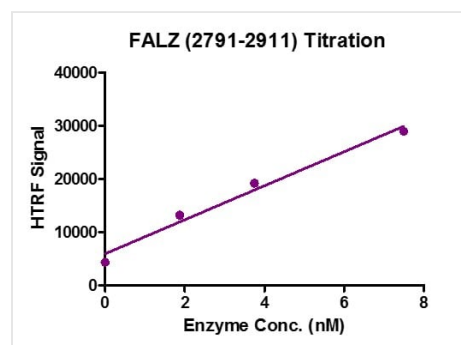
Host	E Coli
Purity/Purification	The purity ofThe protein is >90% by SDS-PAGE.
Form/Format	Recombinant BPTF/FALZ (2791-2911) protein is supplied in 25mM Tris pH8.0, 500mM NaCl, 20% glycerol.
Protein Species	Human
Tag	DYKDDDDK-Tag, His-Tag
Notes	Recombinant BPTF/FALZ (2791-2911) is suitable for use in 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



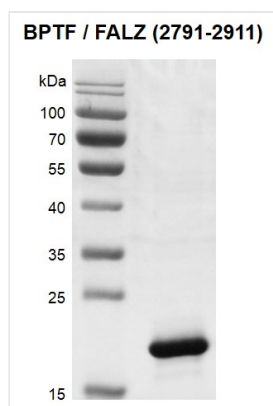
Application Data

HTRF Assay for Recombinant BPTF / FALZ (2791-2911) activity. 3 uM histone peptide H4K5/8/12/16(4Ac) was incubated with BPTF / FALZ (2791-2911) protein in reaction buffer including 50 mM HEPES-NaOH pH 7.0, 0.1% BSA for 1 hour at room temperature. Anti-DYKDDDDK antibody was used to detect reaction products.



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SDS-PAGE

Recombinant BPTF / FALZ (2791-2911) protein gel. BPTF / FALZ (2791-2911) protein was run on a 12% SDS-PAGE gel and stained with Coomassie Blue. MW: 20.3 kDa Purity: > 90%

ADDITIONAL INFORMATION

Related Product Information for BPTF/FALZ recombinant protein

Short Description: The peptide corresponding to amino acids 2791-2911 that contains the bromodomain sequences of BPTF/FALZ (accession number NP_872579.2) 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 PHD finger transcription factor (BPTF), also known as Fetal Alzheimer antigen (FALZ), is a histone-binding component of NuRF (nucleosome-remodeling factor), a complex which catalyzes ATP-dependent nucleosome sliding and facilitates transcription of chromatin. BPTF protein contains a DNA-binding domain, a zinc finger motif and a bromodomain. Bromodomains recognize acetylated histone lysine residues and function as 'readers' of these epigenetic histone marks to regulate chromatin structure and gene expression by linking associated proteins to the acetylated nucleosomal targets. BPTF also specifically recognizes H3 tails trimethylated on lysine 4 (H3K4me3), which mark transcription start sites of virtually all active genes. It may also regulate transcription through direct binding to DNA or transcription factors. Recombinant BPTF/FALZ (2791-2911) can be used in binding assays and inhibitor screening.

Background: BPTF (Bromodomain PHD finger transcription factor) is a histone-binding component of NuRF (nucleosome-remodeling factor), a complex which catalyzes ATP-dependent nucleosome sliding and facilitates transcription of chromatin. BPTF protein contains a DNA-binding domain, a zinc finger motif and a bromodomain. Bromodomains recognize acetylated histone lysine residues and function as 'readers' of these epigenetic histone marks to regulate chromatin structure and gene expression by linking associated proteins to the acetylated nucleosomal targets. BPTF also specifically recognizes H3 tails trimethylated on lysine 4 (H3K4me3), which mark transcription start sites of virtually all active genes. It may also regulate transcription through direct binding to DNA or transcription factors.

Product Categories/Family for BPTF/FALZ recombinant protein

[Recombinant Proteins](#); [Bromodomain](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	119395731
NCBI GeneID	2186
NCBI Accession #	NP_872579.2
NCBI GenBank Nucleotide #	NM_182641
Molecular Weight	322,217 Da
NCBI Official Full Name	Homo sapiens bromodomain PHD finger transcription factor (BPTF), transcript variant 1, mRNA
NCBI Official Synonym Full Names	bromodomain PHD finger transcription factor
NCBI Official Symbol	BPTF
NCBI Official Synonym Symbols	FAC1; FALZ; NURF301

NCBI Protein Information

nucleosome-remodeling factor subunit BPTF; bromodomain and PHD domain transcription factor; bromodomain and PHD finger-containing transcription factor; fetal Alz-50 clone 1 protein; fetal Alz-50 reactive clone 1; fetal Alzheimer antigen; nucleosome remode

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/bptf/falz-recombinant-protein-e-coli/59689>