

Recombinant Human BANF1 protein, His-tagged

Cat. No. BANF1-25H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BANF1, fused with N-His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	104aa(including fusion tag)
Description	Plays fundamental roles in nuclear assembly, chromatin organization, gene expression and gonad development. May potentially compress chromatin structure and be involved in membrane recruitment and chromatin decondensation during nuclear assembly. Contains 2 non-specific dsDNA-binding sites which may promote DNA cross-bridging. Exploited by retroviruses for inhibiting self-destructing autointegration of retroviral DNA, thereby promoting integration of viral DNA into the host chromosome. EMD and BAF are cooperative cofactors of HIV-1 infection. Association of EMD with the viral DNA requires the presence of BAF and viral integrase. The association of viral DNA with chromatin requires the presence of BAF and EMD.
Form	20mM Tris.Cl, 50mM NaCl, 50% Glycerol, pH8.0.
Molecular Mass	12kDa(including fusion tag)
Applications	WB, ELISA, IP, antibody production, protein array
Storage	Store at -80°C and avoid repeated freeze-thaw cycles.

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GENE INFORMATION

Gene Name	BANF1 barrier to autointegration factor 1 [Homo sapiens]
Official Symbol	BANF1
Synonyms	BANF1; BAF; NGPS; BCRP1; D14S1460; MGC111161;
Gene ID	8815
mRNA Refseq	NM_001143985
Protein Refseq	NP_001137457
MIM	603811
UniProt ID	O75531
Chromosome Location	2-LTR circle formation, organism-specific biosystem; APOBEC3G mediated resistance to HIV-1 infection, organism-specific biosystem; Autointegration results in viral DNA circles, organism-specific biosystem; Disease, organism-specific biosystem; Early Phase of HIV Life Cycle, organism-specific biosystem; HIV Infection, organism-specific biosystem; HIV Life Cycle, organism-specific biosystem;
Pathway	DNA binding;

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