

Recombinant Human BANF1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. BANF1-5639H Lot. No. (See product label)

SPECIFICATION

Product Overview	BANF1 MS Standard C13 and N15-labeled recombinant protein (NP_003851) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene was first identified by its ability to protect retroviruses from intramolecular integration and therefore promote intermolecular integration into the host cell genome. The protein forms a homodimer which localizes to both the nucleus and cytoplasm and is specifically associated with chromosomes during mitosis. This protein binds to double stranded DNA in a non-specific manner and also binds to LEM-domain containing proteins of the nuclear envelope. This protein is thought to facilitate nuclear reassembly by binding with both DNA and inner nuclear membrane proteins and thereby recruit chromatin to the nuclear periphery. Alternative splicing results in multiple transcript variants encoding the same protein.
Molecular Mass	10.1 kDa
AA Sequence	MTTSQKHRDFVAEPMGEKPVGSLAGIGEVLGKKLEERGFDKAYVVLGQFLVLKKDE DLFREWLKDTCGANAKQSRDCFGCLREWCD AFLTRTRPLEQKLISEEDLAANDILDY KDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	BANF1 barrier to autointegration factor 1 [Homo sapiens (human)]
Official Symbol	BANF1
Synonyms	BANF1; barrier to autointegration factor 1; barrier-to-autointegration factor; BAF; breakpoint cluster region protein 1; NGPS; BCRP1; D14S1460; MGC111161;
Gene ID	8815
mRNA Refseq	NM_003860
Protein Refseq	NP_003851
MIM	603811
UniProt ID	O75531

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