

## Product datasheet for PH303270

### BANF1 (NM\_003860) Human Mass Spec Standard

#### Product data:

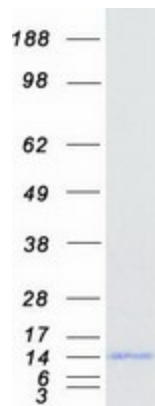
Product Type:	Mass Spec Standards
Description:	BANF1 MS Standard C13 and N15-labeled recombinant protein (NP_003851)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203270
Predicted MW:	10.1 kDa
Protein Sequence:	>RC203270 protein sequence Red=Cloning site Green=Tags(s)  MTTSQKHRDFVAEPMGEKPVGSLAGIGEVLGKKLEERGFDKAYVVLGQFLVLKKDEDLFWREWLKDTTCGAN AKQSRDCFGCLREWCD AFL  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_003851</a>
RefSeq Size:	1179
RefSeq ORF:	267
Synonyms:	BAF; BCRP1; D14S1460; NGPS
Locus ID:	8815
UniProt ID:	<a href="#">O75531</a> , <a href="#">A0A024R5H0</a>
Cytogenetics:	11q13.1



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**Summary:**

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.[provided by RefSeq, Jan 2009]

**Product images:**

Coomassie blue staining of purified BANF1 protein (Cat# [TP303270]). The protein was produced from HEK293T cells transfected with BANF1 cDNA clone (Cat# [RC203270]) using MegaTran 2.0 (Cat# [TT210002]).