

Recombinant Human OBFC2A Protein (1-204 aa), His-SUMO-tagged

Cat. No. OBFC2A-1094H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human OBFC2A Protein (1-204 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Epigenetics and Nuclear Signaling. Protein Description: Full Length.
Species	Human
Source	E.coli
ProteinLength	1-204 aa
Description	Component of the SOSS complex, a multiprotein complex that functions downstream of the MRN complex to promote DNA repair and G2/M checkpoint. In the SOSS complex, acts as a sensor of single-stranded DNA that binds to single-stranded DNA, in particular to polypyrimidines. The SOSS complex associates with DNA lesions and influences diverse endpoints in the cellular DNA damage response including cell-cycle checkpoint activation, recombinational repair and maintenance of genomic stability. Required for efficient homologous recombination-dependent repair of double-strand breaks (DSBs) and ATM-dependent signaling pathways.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	38.4 kDa
AA Sequence	MNRVNDPLIFIRDIKPGLKNLNVVFIVLEIGRVTKTKDGHEVRSCKVADKTGSITISVW

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

DEIGGLIQPGDIIRLTRGYASMWKGLTLYTGRGGELQKIGEFCEMVYSEVPNFSEPN
PDYRGQQNKGAQSEQKNNMNSNMGTGTGPGVGNVHTGPESREHQFSHAGRS
NGRGLINPQLQGTASNQTVMTTISNGRDPRAAFKR

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name NABP1 nucleic acid binding protein 1 [Homo sapiens (human)]

Official Symbol OBFC2A

Synonyms NABP1; SSB2; OBFC2A; SOSS-B2;

Gene ID 64859

mRNA Refseq NM_001031716

Protein Refseq NP_001026886

MIM 612103

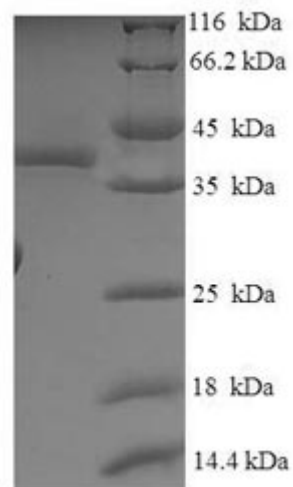
 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID

Q96AH0



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA