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Product datasheet

Recombinant Human OBFC2A protein ab171488

1 Image

Description

Product name	Recombinant Human OBFC2A protein
Purity	> 95 % SDS-PAGE. ab171488 was purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	Q96AH0
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHH SSGLVPRGSH MGSMNRVNDP LIFIRDIKPG LKNLNVVFIV LEIGRVTKTK DGHEVRSCKV ADKTGSITIS VWDEIGGLIQ PGDIIRLTRG YASMWKGCLT LYTGRGGELQ KIGEFCMVYS EVPNFSEPNP DYRGQQNKGA QSEQKNNSMN SNMGTGTFGP VGNGVHTGPE SREHQFSHAG RSNGRGLINP QLQGTASNQT VMTTISNGRD PRRAFKR
Predicted molecular weight	25 kDa including tags
Amino acids	1 to 204
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab171488** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Mass Spectrometry
Mass spectrometry	MALDI-TOF
Form	Liquid

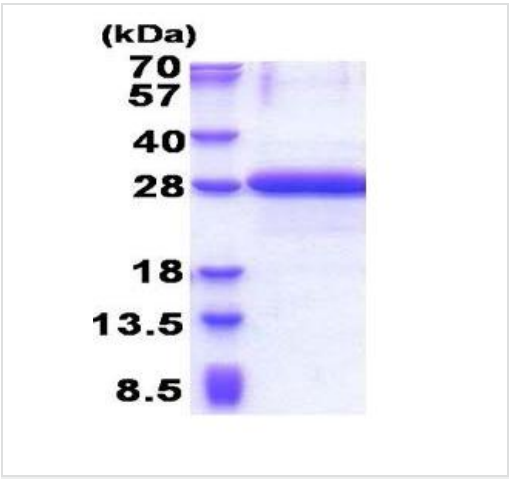
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.03% DTT, 0.32% Tris HCl, 50% Glycerol (glycerin, glycerine), 1.17% Sodium chloride

General Info

Function	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.
Sequence similarities	Belongs to the SOSS-B family. SOSS-B2 subfamily. Contains 1 OB DNA-binding domain.
Cellular localization	Nucleus. Localizes to nuclear foci following DNA damage.

Images



SDS-PAGE - Recombinant Human OBFC2A protein (ab171488)

15% SDS-PAGE analysis of 3µg ab171488.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Response to your inquiry within 24 hours

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