

Product datasheet

Recombinant Human OSBP1 protein ab152583

[1 Image](#)

Description

Product name	Recombinant Human OSBP1 protein
Expression system	Wheat germ
Accession	<u>P22059</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	GATVLPANTPGNVGSGKDQCCSGKGDMSDEDDENEFF DAPEITMPENLG HKRTGSNISGASSDISLDEQYKHQLEETKKEKRT
Predicted molecular weight	35 kDa including tags
Amino acids	324 to 407

Specifications

Our **Abpromise guarantee** covers the use of **ab152583** 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
	ELISA
	Western blot

Form Liquid

Additional notes

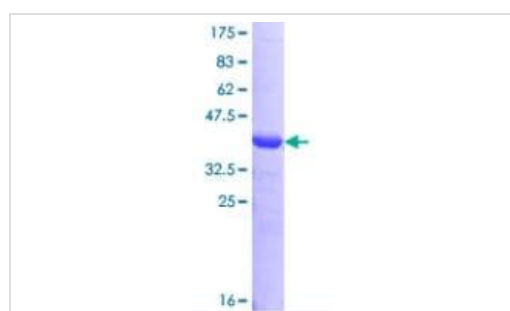
Preparation and Storage

Stability and Storage Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
pH: 8.00
Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function	Binds cholesterol and a range of oxysterols. Cholesterol binding promotes the formation of a complex with PP2A and a tyrosine phosphatase which dephosphorylate ERK1/2, whereas 25-hydroxycholesterol causes its disassembly. Regulates cholesterol efflux by decreasing ABCA1 stability.
Tissue specificity	Widely expressed.
Sequence similarities	Belongs to the OSBP family. Contains 1 PH domain.
Domain	The PH and Ala/Gly-rich domains control cholesterol binding without affecting 25-hydroxycholesterol binding. The second coiled-coil domain is required for interaction with the tyrosine phosphatase.
Cellular localization	Cytoplasm. Golgi apparatus membrane. When bound to oxysterols, translocates to the periphery of Golgi membranes.

Images



12.5% SDS-PAGE analysis of ab152583 stained with Coomassie Blue.

SDS-PAGE - Recombinant Human OSBP1 protein
(ab152583)

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

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- Replacement or refund for products not performing as stated on the datasheet
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