abcam

Product datasheet

Recombinant Human S2P protein ab162519

1 Image

Description

Product name	Recombinant Human S2P protein
Expression system	Wheat germ
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MIPVSLVVVVVGGWTVVYLTDLVLKSSVYFKHSYEDWLEN NGLSISPFHI RWQTAVFNRAFYSWGRRKARMLYQWFNFGMVFGVIAMF SSFFLLGKTLMQ TLAQMMADSPSSYSSSSSSSSSSSSSSSSSSSSLH NEQVLQVVVPGI NLPVNQLTYFFTAVLISGVVHEIGHGIAAIREQVRFNGFGIFL FIIYPGA FVDLFTTHLQLISPVQQLRIFCAGIWHNFVLALLGILALVLLP VILLPFY YTGVGVLITEVAEDSPAIGPRGLFVGDLVTHLQDCPVTNV QDWNECLDTI AYEPQIGYCISASTLQQLSFPVRAYKRLDGSTECCNNHSLT DVCFSYRNN FNKRLHTCLPARKAVEATQVCRTNKDCKKSSSSSFCIIPS LETHTRLIKV KHPPQIDMLYVGHPLHLHYTVSITSFIPRFNFLSIDLPVVVET FVKYLIS LSGALAIVNAVPCFALDGQWILNSFLDATLTSVIGDNDVKD LIGFFILLG GSVLLAANVTLGLWMVTAR
Amino acids	1 to 519
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab162519** in the following tested applications.

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

Applications	ELISA Western blot
Form	Liquid
Additional notes	

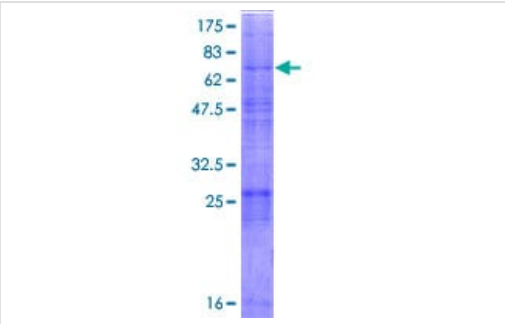
Preparation and Storage

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

General Info

Function	Intramembrane proteolysis of sterol-regulatory element-binding proteins (SREBPs) within the first transmembrane segment thereby releasing the N-terminal segment with a portion of the transmembrane segment attached. Site-2 cleavage comes after site-1 cleavage which takes place in the lumenal loop.
Tissue specificity	Expressed in heart, brain, placenta, lung, liver, muscle, kidney and pancreas.
Involvement in disease	Defects in MBTPS2 are the cause of ichthyosis follicularis-atrichia-photophobia syndrome (IFAPS) [MIM:308205]. A syndrome characterized by a peculiar triad of follicular ichthyosis, total or subtotal atrichia, and photophobia of varying degree. Histopathologically, the epidermal granular layer is generally well-preserved or thickened at the infundibulum. Hair follicles are poorly developed and tend to be surrounded by an inflammatory infiltrate. A subgroup of patients is described with lamellar rather than follicular ichthyosis. Non-consistent features may include growth and psychomotor retardation, aganglionic megacolon, seizures and nail dystrophy. Defects in MBTPS2 are a cause of keratosis follicularis spinulosa decalvans X-linked (KFSDX) [MIM:308800]. A rare disorder affecting the skin and the eye. Affected men show thickening of the skin of the neck, ears, and extremities, especially the palms and soles, loss of eyebrows, eyelashes and beard, thickening of the eyelids with blepharitis and ectropion, and corneal degeneration.
Sequence similarities	Belongs to the peptidase M50A family.
Cellular localization	Membrane. Cytoplasm.

Images



SDS-PAGE - Recombinant Human S2P protein (ab162519)

ab162519 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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