

Product datasheet

Recombinant Human WBSCR17 protein ab163835

1 Image

Overview

Product name	Recombinant Human WBSCR17 protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Wheat germ
Amino Acid Sequence	
Species	Human

Sequence	<p>MASLRRVKVLLVLNLIAVAGFVLF LAKCRPIAVRSGDA FHEIRPRAEVAN LSAHSASPIQDAVLKRLSLEDIVYRQLNGLSKSLGLIE GYGGRGKGGLP ATLSPAEEEEKAKGPHEKYGYNSYLSEKISLDRSIPDYR PTKCKELKYSKD LPQISIIFFVNEALSVILRSVHSAVNHTPTHLLKEIILVDD NSDEEELK VPLEEYVHKRYPLVKVVRNQKREGLIRARIEGWKVAT GQVTGFFDAHVE FTAGWAEPVLSRIQENRKRVLPSIDNIKQDNFEVQRYE NSAHGYSWELW CMYSPPKDWWDAGDPSLPIRTPAMIGCSFVVNRKFF GEIGLLDPGMDVY GGENIELGIKVVLCGGSMEVLPCSRVAHIERKKKPYNS NIGFYTKRNALR VAEVWMDDYKSHVYIAWNLPLENPGIDIGDVSERRALR KSLKCKNFQWYL DHVYPEMRRYNNTVAYGELRNKAKDVCLDQGPLEN HTAILYPCHGWGPQ LARYTKEGFLHLGALGTTLLPDTRCLVDNSKSRLPQL LDCDKVKSSLYK RWNFIQNGAIMNKGTGRCLEVENRGLAGIDLILRSCTG QRWTIKNSIK</p>
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Amino acids	1 to 598
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Tags proprietary tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab163835** in the following tested applications.

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

Applications	Western blot ELISA
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 mg/ml.

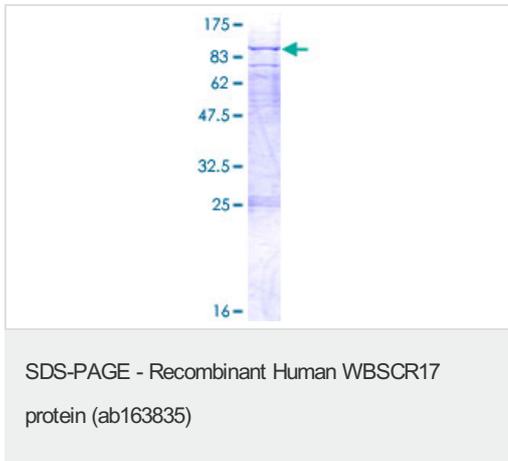
Preparation and Storage

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
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General Info

Function	May catalyze the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor.
Tissue specificity	Highly expressed in brain and heart. Weakly expressed in kidney, liver, lung and spleen.
Pathway	Protein modification; protein glycosylation.
Involvement in disease	Note=WBSR17 is located in the Williams-Beuren syndrome (WBS) critical region. WBS results from a hemizygous deletion of several genes on chromosome 7q11.23, thought to arise as a consequence of unequal crossing over between highly homologous low-copy repeat sequences flanking the deleted region.
Sequence similarities	Belongs to the glycosyltransferase 2 family. GalNAc-T subfamily. Contains 1 ricin B-type lectin domain.
Domain	There are two conserved domains in the glycosyltransferase region: the N-terminal domain (domain A, also called GT1 motif), which is probably involved in manganese coordination and substrate binding and the C-terminal domain (domain B, also called Gal/GalNAc-T motif), which is probably involved in catalytic reaction and UDP-Gal binding. The ricin B-type lectin domain binds to GalNAc and contributes to the glycopeptide specificity.
Cellular localization	Golgi apparatus membrane.

Images



ab163835 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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