

Product datasheet

Recombinant Human CCDC40 protein ab162939

1 Image

Overview

Product name	Recombinant Human CCDC40 protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Wheat germ
Amino Acid Sequence	
Species	Human

Sequence	<p>MAEPGGAAGRSHPEDGSASEGEKEGNNESHMVSP EKDDGQKGEEAVGST EHPEEVTQAEAAIEEGEVETEGEAAVEGEEEA VSYG DAEEEEYYTET SSPEGQISAADTTYFYFSPQELPGEEAYDSV SGEAG LQGFQQEATGPPE SRERRVTSPEPSHGVLGPSEQMGGVTS GPAVGRLTG STEEPQGQVLP MG QHRFRLSHGSDIESSDLEEFVSQEPVIPP GVPDAHPR EGDLPVFQDQIQQ PSTEEGAMAERVESEGSDEEADEGSQ LVVLDPDHP LMVRFQAALKNYLN RQIEKCLKDLQELVVATKQSRARQELG VNLVEVQQH LVHLQKLLKSHD RHAMASSERRQKEEELQAARALYTKT CAAANEERKKL AALQTEMENLALH LFYMQNIDQDMRDDIRVMTQVVKKAET ERIRAEIEKKK QGVGDTGAAFIP KTTQGDQVSGRGKKKPGTVVARVSP AEL</p>
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Amino acids	1 to 478
Tags	GST tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab162939** 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	Protein concentration is above or equal to 0.05 mg/ml.

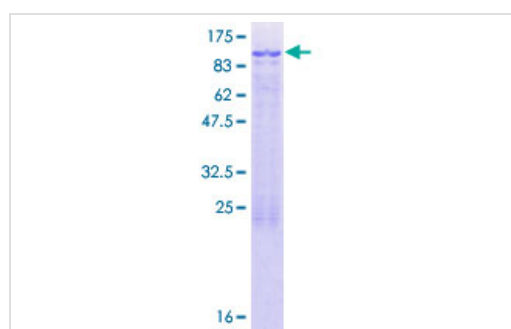
Preparation and Storage

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	Required for assembly of dynein regulatory complex (DRC) and inner dynein arm complexes, which are responsible for ciliary beat regulation, thereby playing a central role in motility in cilia and flagella. Not required for outer dynein arm complexes assembly. Required for axonemal recruitment of CCDC39.
Involvement in disease	Defects in CCDC40 are the cause of primary ciliary dyskinesia type 15 (CILD15) [MIM:613808]. A disorder characterized by abnormalities of motile cilia. Respiratory infections leading to chronic inflammation and bronchiectasis are recurrent, due to defects in the respiratory cilia; reduced fertility is often observed in male patients due to abnormalities of sperm tails. Half of the patients exhibit randomization of left-right body asymmetry and situs inversus, due to dysfunction of monocilia at the embryonic node. Primary ciliary dyskinesia associated with situs inversus is referred to as Kartagener syndrome.
Sequence similarities	Belongs to the CCDC40 family.
Cellular localization	Cytoplasm. Cell projection > cilium. Localizes to cytoplasm and motile cilium.

Images



ab162939 on a 12.5% SDS-PAGE stained with Coomassie Blue.

SDS-PAGE - Recombinant Human CCDC40 protein
(ab162939)

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