abcam

Product datasheet

Recombinant human WISP3 protein ab50049

Overview

Product name	Recombinant human WISP3 protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Escherichia coli
Amino Acid Sequence	
Species	Human
Sequence	TGPLDTTPEG RPGEVSDAPQ RKQFCHWPCK CPQQKPRCPP GVSLVRDGCG CCKICAKQPG EICNEADLCD PHKGLYCDYS VDRPRYETGV CAYLVAVGCE FNQVHYHNGQ VFQPNPLFSC LCVSGAIGCT PLFIPKLAGS HCSGAKGGKK SDQSNCSLEP LLQQLSTSYK TMPAYRNLPL IWKKKCLVQA TKWTPCSRTC GMGISNRVTN ENSNCEMRKE KRLCYIQPCD SNILKTIKIP KGKTCQPTFQ LSKAEKFVFS GCSSTQSYKP TFCGICLDKR CCIPNKSKMI TIQFDCPNEG SFKWKMLWIT SCVCQRNCRE PGDIFSELKI L

Specifications

Our Abpromise guarantee covers the use of **ab50049** 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
	Functional Studies
Endotoxin level	< 0.100 Eu/µg
Form	Lyophilised

Preparation and Storage

Stability and Storage	Shipped at 4°C. The lyophilized protein is stable for a few weeks at room temperature. Store at -

	20°C long term. This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	For lot specific reconstitution information please contact our Scientific Support Team.

General Info

Function	Appears to be required for normal postnatal skeletal growth and cartilage homeostasis.
Tissue specificity	Predominant expression in adult kidney and testis and fetal kidney. Weaker expression found in placenta, ovary, prostate and small intestine. Also expressed in skeletally-derived cells such as synoviocytes and articular cartilage chondrocytes.
Involvement in disease	Defects in WISP3 are the cause of progressive pseudorheumatoid arthropathy of childhood (PPAC) [MIM:208230]. PPAC is an autosomal recessive disorder characterized by stiffness and swelling of joints, motor weakness and joint contractures. Signs and symptoms of the disease develop typically between three and eight years of age. This progressive disease is a primary disorder of articular cartilage with continued cartilage loss and destructive bone changes with aging.
Sequence similarities	Belongs to the CCN family. Contains 1 CTCK (C-terminal cystine knot-like) domain. Contains 1 IGFBP N-terminal domain. Contains 1 TSP type-1 domain.
Cellular localization	Secreted.

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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- We investigate all quality concerns to ensure our products perform to the highest standards

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