

Product datasheet

Recombinant Human MYO9B protein ab158946

1 Image

Description

Product name	Recombinant Human MYO9B protein	
Expression system	Wheat germ	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	CPDNSDPLTSMKDVLKITTCVEMLIKEQMRKYKVKME EISQLEAAESIAF RRLSLLRQNAPWPLKLGFSPPYEGVLNKSPKTRDIQE EEL	
Amino acids	201 to 290	
Tags	GST tag N-Terminus	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab158946** 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

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

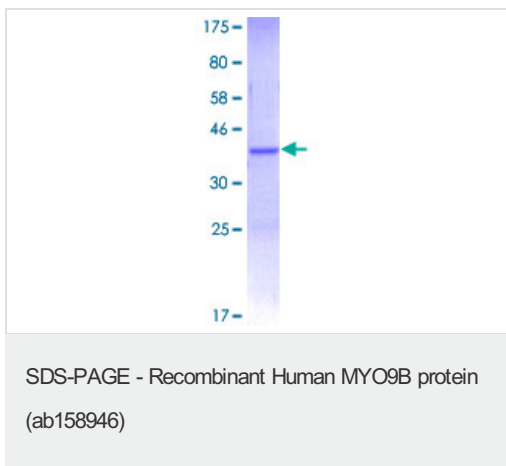
Relevance

Myosin IX belongs to the family of unconventional myosins, distinct from the classical myosins I and myosins II. Myosin IX, thought to be involved in signal transduction and leukocyte differentiation, includes several isoforms. The rat isoforms are myosin IX/Myr5 (230 kDa) and Myr7 (300 kDa), and the human isoforms are myosin IXa (MYO9A) and myosin IXb (MYO9B). The isoforms of myosin IX have similar overall domain structure and are expressed in many tissues and cell types, although they have distinct tissue expression patterns. The subcellular localization of class IX myosins appears to be partly cytoplasmic, and partly associated with membranes and the actin cytoskeleton. The expression level of myosins IX may vary during development and differentiation.

Cellular localization

Cytoplasm; cell cortex. Cytoplasm; perinuclear region. Note=In undifferentiated cells colocalizes with F-actin in the cell periphery while in differentiated cells its localization is cytoplasmic with the highest levels in the perinuclear region.

Images



ab158946 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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

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