

Recombinant Human MYO9B Protein, GST-tagged

Cat. No. MYO9B-5848H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MYO9B partial ORF (AAH18108, 201 a.a. - 290 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a member of the myosin family of actin-based molecular motor heavy chain proteins. The protein represents an unconventional myosin; it should not be confused with the conventional non-muscle myosin-9 (MYH9). The protein has four IQ motifs located in the neck domain that bind calmodulin, which serves as a light chain. The protein complex has a single-headed structure and exhibits processive movement on actin filaments toward the minus-end. The protein also has rho-GTPase activity. Polymorphisms in this gene are associated with celiac disease and ulcerative colitis susceptibility. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]
Molecular Mass	35.64 kDa
AA Sequence	CPDNSDPLTSMKDVLIKITTCVEMLIKEQMRKYKVKMEEISQLEAAESIAFRRLSLLRQ NAPWPLKLGFSPPYEGVLNKS PKTRDIQEEEL
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Array

Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

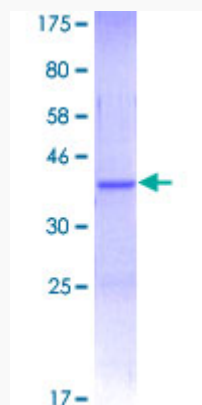
GENE INFORMATION

Gene Name	MYO9B myosin IXB [Homo sapiens]
Official Symbol	MYO9B
Synonyms	MYO9B; myosin IXB; CELIAC4; unconventional myosin-IXb; myosin-IXb; unconventional myosin-9b; unconventional myosin IXB; MYR5;
Gene ID	4650
mRNA Refseq	NM_001130065
Protein Refseq	NP_001123537
MIM	602129
UniProt ID	Q13459

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA