

Recombinant Human MYO1C protein, His & GST-tagged

Cat. No. MYO1C-8037H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MYO1C aa. (Gln765~Asn1011 (Accession # O00159)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gln765~Asn1011
Description	This gene encodes a member of the unconventional myosin protein family, which are actin-based molecular motors. The protein is found in the cytoplasm, and one isoform with a unique N-terminus is also found in the nucleus. The nuclear isoform associates with RNA polymerase I and II and functions in transcription initiation. The mouse ortholog of this protein also functions in intracellular vesicle transport to the plasma membrane. Multiple transcript variants encoding different isoforms have been found for this gene. The related gene myosin IE has been referred to as myosin IC in the literature, but it is a distinct locus on chromosome 19.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 58.2kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 10.3.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	MYO1C myosin IC [Homo sapiens (human)]
Official Symbol	MYO1C
Synonyms	MYO1C; myosin IC; NMI; MMIb; myr2; MMI-beta; unconventional myosin-Ic; myosin-I beta; myosin-Ic; nuclear myosin I
Gene ID	4641
mRNA Refseq	NM_001080779.1

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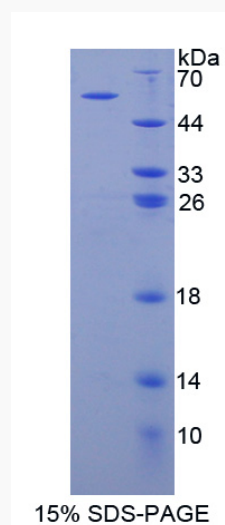
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Protein Refseq NP_001074248.1

UniProt ID O00159

SDS-PAGE



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