

## Recombinant Human MYO1C protein, His & GST-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human MYO1C aa. (Gln765~Asn1011 (Accession # O00159)) fused with N-terminal His & GST tag was produced in E. coli cells.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Gln765~Asn1011
<b>Description</b>	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.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 58.2kDa
<b>Endotoxin</b>	<1.0EU per 1ug (determined by the LAL method)
<b>Purity</b>	>95%

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<b>Characteristic</b>	The isoelectric point is 10.3.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP
<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage Buffer</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

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

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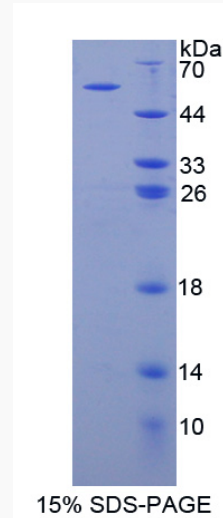
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**Protein Refseq** NP\_001074248.1

**UniProt ID** O00159

**SDS-PAGE**



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