

Recombinant Full Length Human MYO1C Protein, GST-tagged

Cat. No. MYO1C-6771HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MYO1C full-length ORF (NP_203693.2, 1 a.a. - 1028 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	1028 amino acids
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. [provided by RefSeq]
Molecular Mass	144.3 kDa
AA Sequence	MESALTARDRVGVQDFVLLNFTSEAAFIENLRRRFRENLIYTYIGPVLVSVNPYRDL QIYSRQHMER YRGVSFYEVPPHLFAVADTVYRALRTERRDQAVMISGESGAGKTEA TKRLLQFYAETCPAPERGGAVRDRLLQSNPVLEAFGNAKTLRNDNSSRFGKYMDV QDFDKGAPVGGHILSYLLEKSRVVHQNHGERNFHIFYQLLEGGEEETLRRLLGLERNP QSYLYLVKGQCAKVSSINDKSDWKVVRKALTVIDFTEDEVEDLLSIVASVLHLGNIHF

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AANEEESNAQVTTENQLKYLTRLLSVEGSTLREALTHRKIIAKGEEILLSPLNLEQAAYA
 RDALAKAVYSRTFTWLVGKINRSLASKDVESPSWRSTTVLGLLDIYGFEVFQHNSFE
 QFCINYCNEKLQQFLIELTLKSEQEEYEAEGIAWEPVQYFNNKIICDLVEEKFKGIISIL
 DEECLRPGEATDLTFLEKLEDTVKHHPHFLTHKLADQQRTRKSLGRGEFRLLHYAGEV
 TYSVTGFLDKNNDLLFRNLKETMCSSKNPIMSQCFCDRSELSDKKRPETVATQFKMSL
 LQLVEILQSKEPAYVRCIKPNDKQPGRFDEVLRHQVKYLGLLENLRVRRAGFAYR
 RKYEAFLQRYKSLCPETWPTWAGRPQDGVAVLVRHLGYKPEEYKMGRTKIFIRFPK
 TLFATEDALEVRRQSLATKIQAAWRGFHWQRKFLRVKRSAICIQSWWRGTLGRRKA
 AKRKWAAQTIRRLIRGFILRHAPRCPENAFFLDHVRTSFLNLRRQLPRNVLDTSWP
 TPPPALREASELLRELCKNMVWKYCRSISPEWKQQLQKAVASEIFKGKKDNY PQS
 VPRLFISTR LGTDEISPRVLQALGSEPIQYAVPVVKYDRKGYKPRSRQLLLTPNAVIV
 EDAKVKQRIDYANLTGISVSSLSDSLFLVLRADNKQKGDVVLQSDHVIETLTKTAL
 SANRVNSININQGSITFAGGPGRDGTIDFTPGSELLITKAKNGHLAVVAPRLNSR

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production 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	MYO1C myosin IC [Homo sapiens]
Official Symbol	MYO1C

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Synonyms	MYO1C; myosin IC; unconventional myosin-Ic; myr2; myosin-Ic; myosin I beta; myosin-I beta; nuclear myosin I; NMI; MM1b; MMI-beta; FLJ23903;
Gene ID	4641
mRNA Refseq	NM_001080779
Protein Refseq	NP_001074248
MIM	606538
UniProt ID	O00159

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