

# Recombinant Full Length Human MYO5C Protein, GST-tagged

**Cat. No.** MYO5C-6591HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human MYO5C full-length ORF ( AAH64841.1, 1 a.a. - 430 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 430 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | MYO5C (Myosin VC) is a Protein Coding gene. Among its related pathways are Sertoli-Sertoli Cell Junction Dynamics and Actin Nucleation by ARP-WASP Complex. GO annotations related to this gene include actin binding and actin filament binding. An important paralog of this gene is MYO5A.                                                                                                                                                                                  |
| <b>Molecular Mass</b>   | 74.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | MAVAELYTQYNRVWIPDPEEVWKS AEIAKDYRVGDKVLRLLLEDGTELDYSVNPESL<br>PPLRNPDLVGENDLTALS YLHEPAVLHNL RIRFAESKLIYTYSGIILVAMNPKQLPIY<br>GD AIIHAYSGQNMGDMDPHIFAVAE EAYKQMARNNRNQSIIVSGESGAGKTVSARY<br>AMRYFATVSKSGSNAHVEDKVLASNPITEAVGNAKTTRNDNSSRFGKYTEISFDEQN<br>QIIGANMSTYLLEKSRVVFQSENERNYHIFYQLCASAQQSEFKHLKLGSAAEFNYTR<br>MGGNTVIEGVNDRAEMVETQKTFTLLGFKEDFQMDVFKILAAILHLGNVQITAVGNE<br>RSSVSEDDSHLKVFCCELLGLESGRVAQWLCNRKIVTSSETVVKPMTRPQAVNARDA<br>LAKKIYAHLDFDIVERINQALQFSVLKPLM |

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|-----------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>   | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array |
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.                                            |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                          |
| <b>Storage Buffer</b> | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                          |

## GENE INFORMATION

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|------------------------|----------------------------------|
| <b>Gene Name</b>       | MYO5C myosin VC [ Homo sapiens ] |
| <b>Official Symbol</b> | MYO5C                            |
| <b>Synonyms</b>        | MYO5C; myosin VC                 |
| <b>Gene ID</b>         | 55930                            |
| <b>mRNA Refseq</b>     | NM_018728                        |
| <b>Protein Refseq</b>  | NP_061198                        |
| <b>MIM</b>             | 610022                           |
| <b>UniProt ID</b>      | Q9NQX4                           |

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