

## Recombinant Human MYH10 Over-expression Lysate, Myc/DDK-tagged

**Cat. No.** MYH10-01H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| <b>Product Overview</b> | <p>Transient overexpression lysate of myosin, heavy chain 10, non-muscle (MYH10) with a C-Myc/DDK tag was expressed in HEK293T.</p> <p>Components:</p> <p>1 vial of 100 µg gene specific transient over-expression cell lysate in RIPA buffer</p> <p>1 vial of 100 µg whole HEK293T cell lysate in RIPA buffer</p> <p>1 vial of 250 µL 2×SDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002% Bromophenol blue, 100mM DTT)</p>                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | <p>This gene encodes a member of the myosin superfamily. The protein represents a conventional non-muscle myosin; it should not be confused with the unconventional myosin-10 (MYO10). Myosins are actin-dependent motor proteins with diverse functions including regulation of cytokinesis, cell motility, and cell polarity. Mutations in this gene have been associated with May-Hegglin anomaly and developmental defects in brain and heart. Multiple transcript variants encoding different isoforms have been found for this gene.</p> |
| <b>Molecular Mass</b>   | 228.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Storage</b>          | Upon receiving, store the sample at -80 centigrade. Also after dilution, the protein                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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sample should be aliquoted and stored at -80 centigrade for long term storage. Avoid repeated freeze-thaw cycles. Lysate samples are stable for 12 months from the date of receipt when stored at -80 centigrade.

**Dilutions** Lysate samples can be diluted with 2×SDS Sample Buffer provided.

## GENE INFORMATION

**Gene Name** MYH10 myosin heavy chain 10 [ Homo sapiens (human) ]

**Official Symbol** MYH10

**Synonyms** MYH10; myosin heavy chain 10; NMMHCB; NMMHC-IIB; myosin-10; myosin heavy chain, nonmuscle type B; myosin, heavy chain 10, non-muscle; myosin, heavy polypeptide 10, non-muscle; nonmuscle myosin II heavy chain-B; nonmuscle myosin heavy chain IIB

**Gene ID** 4628

**mRNA Refseq** NM\_005964

**Protein Refseq** NP\_005955

**MIM** 160776

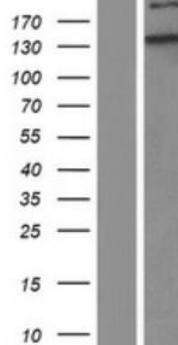
**UniProt ID** P35580

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