

# Active Recombinant Full Length Human MORC3 Protein, C-Flag-tagged

**Cat. No.** MORC3-55HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human MORC3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | This gene encodes a protein that localizes to the nuclear matrix and forms nuclear bodies via an ATP-dependent mechanism. The protein is predicted to have coiled-coil and zinc finger domains and has RNA binding activity. Alternative splicing produces multiple transcript variants encoding distinct isoforms.                                                                |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                              |
| <b>Bio-activity</b>     | ELISA capture for autoantibodies                                                                                                                                                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>   | 106.9 kDa                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MAAQPPRGIRLSALCPKFLHTNSTSHTWPFSAVAELIDNAYDPDVNAKQIWIDKTVIN<br>DHICLTFTDNGN GMTSDLHKMLSFGFSDKVTMNGHVPVGLYGNFGKSGSMRLGK<br>DAIVFTKNGESMSVGLLSQTYLEVIKA EHVVPVIVAFNKHQRQMINLAESKASLAAILEH<br>SLFSTEQKLLAELDAIGKKGTRIIWNLRSYKNATEF DFEKDKYDIRIPEDLDEITGKK<br>GYKKQERMDQIAPESDYSRLRAYCSILYLKPRMQIILRGQKVKTQLVSK SLAYIERDVY<br>RPKFLSKTVRITFGFNCRNKDHYGIMMYHRNRLIKAYEKVGCQLRANNMGVGVVGII |

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ECN FLKPTHNKQDFDYTNEYRLTITALGEKLNDYWNE MKVKKNTEYPLNLPVEDIQK  
 RPDQTWVQCDACLKWR KLPDGM DQLPEKWYCSNNPDPQFRNCEVPEEPEDEDL  
 VHPTYEKTYKKTNKEKFRI RQPEMIPRINAELL FRPTALSTPSFSSPKESVPRRHLSE  
 GTNSYATRLLNNHQVPPQSE PESNSLKRRLSTRSSILNAKNRRLS SQFENS VYKGD  
 DDDGDV IILEENSTPKPAVDHDIDMKSEQSHVEQGGVQVEFVG DSEPCGQTGSTST  
 SSS RCDQGNTAATQTEVPSLVV KKEETVEDEIDVRND AVILPSCVEAEAKIHETQET  
 TDKSADDAGCQLQELR NQLLLVTEEKENYKRQCHMFTDQIKVLQQRILEMNDKYVK  
 KETCHQSTETDAVFLLESINGKSESPDHMV SQYQQALEEIERLKKQCSALQHVKAE  
 CSQCSNNESKSEMDEMAVQLDDVFRQLDKCSIERDQYKSEVELL EMEKSQIRSQC  
 EELKTEVEQLKSTNQQTATDVSTSSNIEESVNHMDGESLKLRLRVNVGQLLAMIVP  
 DL  
 DLQQVNYDVDVDEILGQVVEQMSEISSTTRTRPLEQKLISEEDLAANDILDYKDDDD  
 KV

|                      |                                                                                                                                               |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>        | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <b>Stability</b>     | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| <b>Storage</b>       | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b> | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>   | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Full Length</b>   | Full L.                                                                                                                                       |

## GENE INFORMATION

**Gene Name** MORC3 MORC family CW-type zinc finger 3 [ Homo sapiens (human) ]

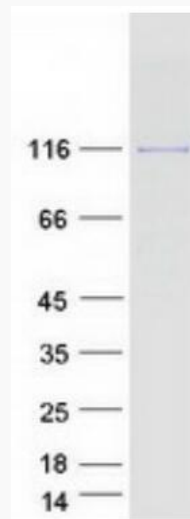
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|                 |                    |
|-----------------|--------------------|
| Official Symbol | MORC3              |
| Synonyms        | NXP2; ZCW5; ZCWCC3 |
| Gene ID         | 23515              |
| mRNA Refseq     | NM_015358.3        |
| Protein Refseq  | NP_056173.1        |
| MIM             | 610078             |
| UniProt ID      | Q14149             |



Coomassie blue staining of purified MORC3 protein.

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