

# Recombinant Full Length Human HEXIM2 Protein, C-Flag-tagged

**Cat. No.** HEXIM2-2162HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human HEXIM2 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 member of the HEXIM family of proteins. This protein is a component of the 7SK small nuclear ribonucleoprotein. This protein has been found to negatively regulate the kinase activity of the cyclin-dependent kinase P-TEFb, which phosphorylates multiple target proteins to promote transcriptional elongation. This gene is located approximately 7 kb downstream from related family member HEXIM1 on chromosome 17. Alternative splicing results in multiple transcript variants. |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | 32.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | MMATPNQTACNAESPVALEEAKTSGAPGSPQTPPERHDSGGSPLTPRMESHSED<br>EDLAGAVGGLGWNSR SPRTQSPGGCSAEAVLARKKKHRRRPSKRKRHWRPYLELS<br>WAEKQQRDERQSQRASRVREEMFAKGQPVAP YNTTQFLMNDRDPEEPNLDVPH<br>GISHPGSSGESEAGDSDGRGRAHGEFQRKDFSETYERFHTESLQGRSK QELVRDY<br>LELEKRLSQAEEETRRLQQLQACTGQQSCRQVEELAAEVQRLRTENQRLRQENQM<br>WNREGCRC DEEPGT TRTRPLEQKLISEEDLAANDILDYKDDDDKV                                                                                                                                                      |

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|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <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>Protein Families</b> | Transcription Factors                                                                                                                         |
| <b>Full Length</b>      | Full L.                                                                                                                                       |

## GENE INFORMATION

|                        |                                                                |
|------------------------|----------------------------------------------------------------|
| <b>Gene Name</b>       | HEXIM2 HEXIM P-TEFb complex subunit 2 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | HEXIM2                                                         |
| <b>Synonyms</b>        | L3                                                             |
| <b>Gene ID</b>         | 124790                                                         |
| <b>mRNA Refseq</b>     | NM_144608.2                                                    |
| <b>Protein Refseq</b>  | NP_653209.1                                                    |
| <b>MIM</b>             | 615695                                                         |

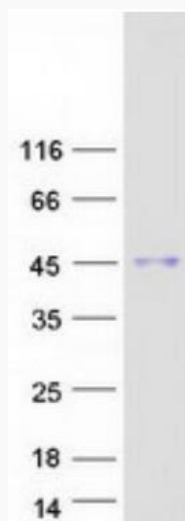
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UniProt ID

Q96MH2



Coomassie blue staining of purified HEXIM2 protein.

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