

# Recombinant Human MACO1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** MACO1-2974H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | TMEM57 MS Standard C13 and N15-labeled recombinant protein (NP_060672) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | Plays a role in the regulation of neuronal activity.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | 76.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | <p>MKRRNADCSKLRRPLKRNRITEGIYGSTFLYLKFLVWVWLVLLADVFLEFRFEYLLWPF</p> <p>WLFIRSVYDSFRYQGLAFSVFFVCVAFTSNIICLLFIPIQWLFFAASTYVWVQYVWHT</p> <p>ERGVCLPTVSLWILFVYIEAAIRFKDLKNFHVDLCRPFAAHCIGYPVVTLGFGFKSYVS</p> <p>YKMRLRKQKEVQKENEFYMQLLQQALPPEQQMLQKQEKEAEEAAKGLPDMDSILI</p> <p>HHNGGIPANKKLSTTLPEIEYREKGKEKDKDAKKHNLGINNNILQPVDSKIQEIEYM</p> <p>ENHINSKRLNNDLVGSTENLLKEDSCTASSKNYKNASGVVNSSPRSHSATNGSIPSS</p> <p>SSKNEKKQKCTSKSPSTHKDLMENCIPNNQLSKPDALVRLEQDIKKLADLQASRQV</p> <p>EQELRSQISSLSSTERGIRSEMGQLRQENELLQNKLNHNAVQMKQKDKQNISQLEKKL</p> <p>KAEQEARSFVEKQLMEEKKRKKLEEATAARAVAFAAASRGECTETLRNRIRELEAEG</p> <p>KKLTMDMKVKEDQIRELELKVQELRKYKENEKDTEVLMSALSAMQDKTQHLENSLS</p> <p>AETRIKLDLFSALGDAKRQLEIAQGQILQKDQEIQLKQKIAEVMVMPSTITYSAATSP</p> <p>LSPVSPHYSSKFVETSPSGLDPNASVYQPLKTRTRPLEQKLISEEDLAANDILDYKD</p> |

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|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
|                       | DDDKV                                                                                      |
| <b>Purity</b>         | > 80% as determined by SDS-PAGE and Coomassie blue staining                                |
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

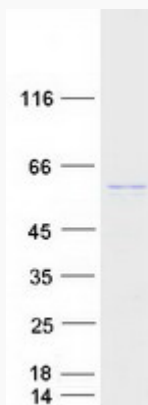
## GENE INFORMATION

|                        |                                                                         |
|------------------------|-------------------------------------------------------------------------|
| <b>Gene Name</b>       | MACO1 macoilin 1 [ Homo sapiens (human) ]                               |
| <b>Official Symbol</b> | MACO1                                                                   |
| <b>Synonyms</b>        | MACO1; macoilin 1; TMEM57; MACOILIN; macoilin; transmembrane protein 57 |
| <b>Gene ID</b>         | 55219                                                                   |
| <b>mRNA Refseq</b>     | NM_018202                                                               |
| <b>Protein Refseq</b>  | NP_060672                                                               |
| <b>MIM</b>             | 610301                                                                  |
| <b>UniProt ID</b>      | Q8N5G2                                                                  |

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**SDS-PAGE**

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