

## Recombinant Human MOB4, His-tagged

**Cat. No.** MOB4-7762H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human MOBLike Protein Phocein/MOB4 is produced by our E. coli expression system. The target protein is expressed with sequence (Met1Ala225) of Human MOB4 fused with a 6His tag at the Nterminus.                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | MOBLike Protein Phocein is a member of the MOB1/Phocein Family. MOBLike Protein Phocein is associated with membranes and the Golgi stacks. It is present in the cytosol, where it behaves as a protein complex. It has been shown that MOBLike Protein Phocein interacts with DNM1, EPS15 and Nucleoside Diphosphate Kinase. MOBLike Protein Phocein is the major partner of Striatin Family members and may play an important role in membrane trafficking, specifically in membrane budding reactions. |
| <b>Form</b>             | Lyophilized from a 0.2 µM filtered solution of 20mM TrisHCl, 150mM NaCl, 1mM DTT, pH 8.0                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>AA Sequence</b>      | MGSSHHHHHH SSGLVPRGSH MVMAEGTAVL RRNRPGTKAQ DFYNWPDESFD<br>DEMDSTLAVQ QYIQQNIRA DCSNIDKILE PPEGQDEGVW KYEHLRQFCL<br>ELNGLAVKLQ SECHPDTCTQ M TATEQWIF LCAAHKTPKE CPAIDYTRHT<br>LDGAACLLNS NKYFPSRVSI KESSVAKLGS VC RRIYRIF SHAYFHHRQI<br>FDEYENETFL CHRFTKFVMK YNLMSKDNLV VPILEEEVQN SVS GESEA*                                                                                                                                                                                                           |

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|                |                                                                                                                                                                                                                                                         |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>  | Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.                                                                                                                                                                                       |
| <b>Notes</b>   | For research use only.                                                                                                                                                                                                                                  |
| <b>Storage</b> | Lyophilized protein should be stored at less than 20°C. though stable at room temperature for 3 weeks.Reconstituted protein solution can be stored at 4-7°C. for 2-7 days.Aliquots of reconstituted samples are stable at less than 20°C. for 3 months. |

## GENE INFORMATION

|                            |                                                     |
|----------------------------|-----------------------------------------------------|
| <b>Gene Name</b>           | MOB4 MOB family member 4, phocein [ Homo sapiens ]  |
| <b>Official Symbol</b>     | MOB4                                                |
| <b>Synonyms</b>            | MOB4;CGI-95, 2C4D, MOB1, MOB3, MOBKL3, PHOCN, PREI3 |
| <b>Gene ID</b>             | <a href="#">25843</a>                               |
| <b>MIM</b>                 | <a href="#">609361</a>                              |
| <b>UniProt ID</b>          | <a href="#">Q9Y3A3</a>                              |
| <b>Chromosome Location</b> | 2q33.1                                              |
| <b>Function</b>            | metal ion binding; protein binding                  |

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