

## Recombinant Human MIEN1, His-tagged

**Cat. No.** MIEN1-15915H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human MIEN1 protein, fused to His tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 1-112aa                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | MIEN1 belongs to the SelWTH family. This protein Increases cell migration by inducing filopodia formation at the leading edge of migrating cells and plays a role in regulation of apoptosis, possibly through control of CASP3. It also may be involved in a redox-related process. |
| <b>Form</b>             | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT                                                                                                                                                                                                |
| <b>Molecular Mass</b>   | 14.5kDa (135aa), confirmed by MALDI-TOF                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MGSSHHHHHH SGLVPRGSH MGSMSEPGQ TSVAPPPEEV EPGSGVRIVV<br>EYCEPCGFEA TYLELASAVK EQYPGIEIES RLGGTGAFEI EINGQLVFSK<br>LENGGFPEYK DLIEAIRRAS NGETLEKITN SRPPC                                                                                                                             |
| <b>Purity</b>           | >95% by SDS - PAGE                                                                                                                                                                                                                                                                   |

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|                            |                                                                                                                                                                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>        | SDS-PAGE                                                                                                                                                                                                                             |
| <b>Storage</b>             | Can be stored at 4°C short term. For long term storage, aliquot and store at at -20°C or -70°C. Avoid repeated freezing and thawing cycles.                                                                                          |
| <b>Concentration</b>       | 0.5 mg/ml (determined by Bradford assay)                                                                                                                                                                                             |
| <b>GENE INFORMATION</b>    |                                                                                                                                                                                                                                      |
| <b>Gene Name</b>           | MIEN1 migration and invasion enhancer 1 [ Homo sapiens ]                                                                                                                                                                             |
| <b>Official Symbol</b>     | MIEN1                                                                                                                                                                                                                                |
| <b>Synonyms</b>            | MIEN1; migration and invasion enhancer 1; C17orf37, chromosome 17 open reading frame 37; C35; MGC14832; ORB3; Rdx12; XTP4; protein C17orf37; HBV XAg-transactivated protein 4; HBV X-transactivated gene 4 protein; RDX12; C17orf37; |
| <b>Gene ID</b>             | 84299                                                                                                                                                                                                                                |
| <b>mRNA Refseq</b>         | NM_032339                                                                                                                                                                                                                            |
| <b>Protein Refseq</b>      | NP_115715                                                                                                                                                                                                                            |
| <b>MIM</b>                 | 611802                                                                                                                                                                                                                               |
| <b>UniProt ID</b>          | Q9BRT3                                                                                                                                                                                                                               |
| <b>Chromosome Location</b> | 17q12                                                                                                                                                                                                                                |
| <b>Function</b>            | selenium binding;                                                                                                                                                                                                                    |

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