

Datasheet for ABIN7317313

MTSS1 Protein (AA 1-250) (His tag,MBP tag)[Go to Product page](#)

Overview

| | |
|-------------------------------|------------------------------------------------------|
| Quantity: | 50 µg |
| Target: | MTSS1 |
| Protein Characteristics: | AA 1-250 |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This MTSS1 protein is labelled with His tag,MBP tag. |

Product Details

| | |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose: | Recombinant Human MTSS1 Protein (aa1-250, His & MBP Tag) |
| Sequence: | Met 1-Ser 250 |
| Characteristics: | A DNA sequence encoding the human MTSS1 (EAW92073.1) N-terminal fragment (Met 1-Ser 250) was fused with an N-terminal polyhistidine-tagged MBP tag at the N-terminus. |
| Purity: | > 80 % as determined by reducing SDS-PAGE. |

Target Details

| | |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target: | MTSS1 |
| Alternative Name: | MTSS1 (MTSS1 Products) |
| Background: | Background: MTSS1 (Metastasis suppressor 1), also known as Missing in metastasis (MIM), is a tissue-specific regulator of plasma membrane dynamics. MTSS1 is well described for its function as a metastasis suppressor gene and is expressed in a variety of tissues. MTSS1 |

Target Details

might be involved in shaping neuronal membranes in vivo. MTSS1 deforms phosphoinositide-rich membranes through its I-BAR domain and interacts with actin monomers through its WH2 domain. MTSS1/MIM was first identified as a metastasis suppressor missing in metastatic bladder carcinoma cell lines. MTSS1 is a prognostic indicator of disease-free survival in breast cancer patients and demonstrates the ability to play a role in governing the metastatic nature of breast cancer cells. MTSS1 may serve as a useful biomarker for the prediction of outcome of gastric cancer. The down-regulation of MTSS1 that may be caused by DNA methylation was also observed in many other types of cancer. Recent work proposed that MIM also potentiates Sonic hedgehog (Shh)-induced gene expression. MTSS1 as a multiple functional molecular player and has an important role in development, carcinogenesis and metastasis.

Synonym: MIM,MIMA,MIMB

Molecular Weight: 71.8 kDa

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.