

MTSS1 recombinant protein

Recombinant Human MTSS1 Protein (aa1-250, His & MBP tag)

CATALOG #
AAA173533

HOST
E.coli

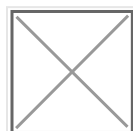
PRODUCT SYNONYMS

MTSS1; Recombinant Human MTSS1 Protein (aa1-250; His & MBP tag); DKFZp781P2223; FLJ44694; KIAA0429; MIM; MIMA; MIMB; MTSS1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 80 % as determined by reducing SDS-PAGE.
Form/Format	Lyophilized from sterile PBS, pH 7.5, 5% Trehalose, 5% Mannitol, 0.01% Tween-80.
Sequence Positions	Met 1-Ser 250
Species	Human
Tag	N-His & MBP
Reconstitution	It is recommended that sterile water (80uL) be added to the vial to prepare a stock solution of 0.25mg/mL. Concentration is measured by UV-Vis.
Preparation and Storage	Storage: 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 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months. Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for MTSS1 recombinant protein

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 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 type s 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.

Description: 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119612479
NCBI GeneID	9788
Molecular Weight	Mol_Mass: 71.8 kDa AP_Mol_Mass: 66 kDa
NCBI Official Full Name	metastasis suppressor 1, isoform CRA_e
NCBI Official Synonym Full Names	MTSS1, I-BAR domain containing
NCBI Official Symbol	MTSS1
NCBI Official Synonym Symbols	MIM; MIMA; MIMB
NCBI Protein Information	metastasis suppressor protein 1
UniProt Protein Name	Metastasis suppressor protein 1
UniProt Gene Name	MTSS1
UniProt Synonym Gene Names	KIAA0429; MIM

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mtss1-recombinant-protein-e-coli/173533>