

MTSS1 Protein, Human (His)

Cat. No.:	HY-P75930
Synonyms:	Protein MTSS 1; Metastasis suppressor YGL-1; MTSS1; KIAA0429; MIM
Species:	Human
Source:	E. coli
Accession:	EAW92073 (M1-S250)
Gene ID:	9788
Molecular Weight:	Approximately 28 kDa

PROPERTIES

AA Sequence	<pre> MEAVIEKECS ALGGLFQTI I SDMKGSYPVW EDFINKAGKL QSQLRRTTVVA AA AFLDAFQK VADMATNTRG GTREIGSALT RMCMRHRSIE AKLRQFSSAL IDCLINPLQE QMEEWKKVAN QLDKDHAKEY KKRQEKKK SSDTLKLQKK AKKGRGDIQP QLDSALQDVN DKYLLLEETE KQAVRKALIE ERGRFCTFIS MLRPVIEEEI SMLGEITHLQ TISED LKSLT MDPHKLPSSS EQVILDLKGS </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	MTSS1 Protein is a protein down-regulated in MTSS1 in metastatic bladder carcinoma cell lines. MTSS1 is widely expressed but most abundant in spleen, thymus, testis, prostate and peripheral blood, with low levels also detected in uterus and colon. MTSS1 is proposed to function as a metastatic suppressor protein in both bladder and prostate cancers. MTSS1 enables actin monomer binding activity, dentical protein binding activity and signaling receptor binding activity. MTSS1 is
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involved in cellular response to fluid shear stress, negative regulation of epithelial cell proliferation and urogenital system development. MTSS1 acts upstream of or within several processes, including actin filament polymerization, adherens junction maintenance and magnesium ion homeostasis. MTSS1 is located in actin Cytoskeleton^[1].

Caution: Product has not been fully validated for medical applications. For research use only.

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