

MST1 Protein, Human, Recombinant (His)

General Information

Synonyms:	serine/threonine kinase 4;KRS2;MST1;TIAC;YSK3
Protein Construction:	A DNA sequence encoding the human STK4 isoform 1 (Q13043-1) (Glu 2-Phe 487) was expressed, with a polyhistidine tag at the N-terminus. Predicted N terminal: His
Species:	Human
Expression Host:	Baculovirus Insect Cells
Accession:	Q13043-1
Molecular Weight:	58 kDa (predicted); 58 kDa (reducing conditions)

QC Testing

Biological Activity:	The specific activity was determined to be > 150 nmol/min/mg using MBP as substrate.
Purity:	> 92 % as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Supplied as sterile 20 mM Tris, 500 mM NaCl, pH 7.4, 10% glycerol.

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

It is recommended to store the product under sterile conditions at -20°C to -80°C. Samples are stable for up to 12 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

Dysregulation of MST1/STK4, a key kinase component of the Hippo-YAP pathway, is linked to the etiology of many cancers with poor prognosis. STK4/Hippo pathway may have important therapeutic implications for cancer. The tumor suppressor serine/threonine-protein kinase 4 (STK4) differentially regulates TLR3/4/9-mediated inflammatory responses in macrophages and thereby is protective against chronic inflammation-associated Hepatocellular carcinoma (HCC). STK4 has potential as a diagnostic biomarker and therapeutic target for inflammation-induced HCC.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481