

Recombinant Human MST1R Protein, C-His-tagged

Cat. No. MST1R-104H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MST1R Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	Ron is a member of the Met protooncogene family of receptor tyrosine kinases, which also includes Stk, c-Met, and c-Sea. The functional Ron is a heterodimer composed of a 40 kDa α chain and a 150 kDa β chain. Ron is initially synthesized in the cells as a single-chain, pro-Ron precursor that is cleaved into the two active chains. The α chain is completely extracellular, whereas the β chain traverses the cell membrane and contains the intracellular tyrosine kinase and regulatory elements. Ron mediates multiple signaling cascades that involve cell motility, adhesion, proliferation, and apoptosis. The signaling pathways activated downstream of Ron include the ras/mitogen-activated protein kinase (MAPK), phosphatidyl inositol-3 kinase (PI3K)/Akt, and focal adhesion kinase (FAK) pathways. Ron activation can also significantly increase c-Src activity, a signaling intermediate involved in cell cycle progression, motility, angiogenesis and survival. The function of Ron has been shown to be important for embryological development as well as implicated in the progression and metastasis of tumors.
Molecular Mass	~32 kDa
AA Sequence	ASFSDSEDESCVPLLRKESIQLRDLDSALLAEVKDVLIPHERVVTHSDRVIGKGHFGV

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VYHGEYIDQAQNRIQCAIKSLSRITEMQQVEAFLREGLLMRGLNHPNVLALIGIMLPP
EGLPHVLLPYMCHGDLLQFIRSPQRNPTVKDLISFGLQVARGMEYLAEQKFVHRDLA
ARNCMLDESFTVKVADFGLARDILDREYYSVQQHRHARLPVKWMALESLQTYRFTT
KSDVWSFGVLLWELLTRGAPPYRHIDPFDLTHFLAQGRRLPQPEYCPDSLYQVMQQ
CWEADPAVRP

Purity

Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

Notes

For research use only, not for use in diagnostic procedure.

Storage

Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.

Concentration

≥0.5 mg/mL

Storage Buffer

PBS, 4M Urea, pH7.4

GENE INFORMATION

Gene Name

MST1R macrophage stimulating 1 receptor (c-met-related tyrosine kinase) [Homo sapiens (human)]

Official Symbol

MST1R

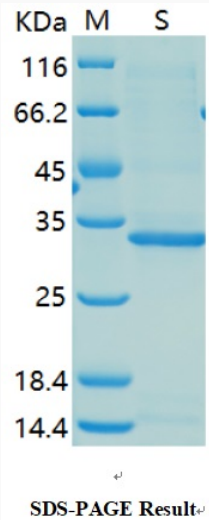
Synonyms

MST1R; macrophage stimulating 1 receptor (c-met-related tyrosine kinase); PTK8, PTK8 protein tyrosine kinase 8 , RON; macrophage-stimulating protein receptor; CD136; CDw136; p185-Ron; MSP receptor; RON variant E2E3; MST1R variant RON30; MST1R variant RON62; soluble RON variant 1; soluble RON variant 2; soluble RON variant 3; soluble RON variant 4; c-met-related tyrosine kinase; PTK8 protein tyrosine kinase 8; RON; PTK8;

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Gene ID	4486
mRNA Refseq	NM_001244937
Protein Refseq	NP_001231866
MIM	600168
UniProt ID	Q04912
SDS-PAGE	 SDS-PAGE Result