

# Recombinant Human Muscle, Skeletal, Receptor Tyrosine Kinase, GST-tagged

**Cat. No.** MUSK-5457H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant humanMUSK catalytic domain (amino acids 519-869), GST-tagged.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	519-869 a.a.
<b>Description</b>	MUSK plays an important and selective rolein many aspects of skeletal muscle development and function through theinitial step of postsynaptic differentiation and formation of end-plate bandsin cooperation with Rapsyn. No special measures were taken to activate thiskinase.
<b>Form</b>	Liquid in 50 mMTris, pH 7.5 + 150 mM NaCl + 0.5 mM EDTA + 0.02% Triton X-100 + 2 mM DTT +50% glycerol.
<b>Molecular Weight</b>	69.4 kDa
<b>storage</b>	Stablefor 6 months in working aliquots at -80°C. Avoidrepeated freeze-thaw cycles.
<b>OfficialSymbol</b>	MUSK

## GENE INFORMATION

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<b>Gene Name</b>	MUSK muscle, skeletal, receptortyrosine kinase [ Homo sapiens ]
<b>Synonyms</b>	MUSK; muscle, skeletal,receptor tyrosine kinase; MGC126323; MGC126324; skeletal muscle receptortyrosine kinase; EC 2.7.10.1; Muscle-specific kinase receptor;Muscle-specific tyrosine protein kinase receptor; protein-tyrosine kinase;receptor tyrosine kinase; Muscle, skeletal receptor tyrosine protein kinase
<b>Gene ID</b>	4593
<b>mRNA Refseq</b>	NM_001166280
<b>Protein Refseq</b>	NP_001159752
<b>MIM</b>	601296
<b>UniProt ID</b>	O15146
<b>Chromosome Location</b>	9q31.3-q32
<b>Function</b>	ATP binding; nucleotidebinding; protein binding; receptor activity; transferase activity;transmembrane receptor protein tyrosine kinase activity

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