

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

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

SPECIFICATION

Product Overview	Recombinant humanMUSK catalytic domain (amino acids 519-869), GST-tagged.
Species	Human
Source	Insect Cells
ProteinLength	519-869 a.a.
Description	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.
Form	Liquid in 50 mMTris, pH 7.5 + 150 mM NaCl + 0.5 mM EDTA + 0.02% Triton X-100 + 2 mM DTT +50% glycerol.
Molecular Weight	69.4 kDa
storage	Stablefor 6 months in working aliquots at -80°C. Avoidrepeated freeze-thaw cycles.
OfficialSymbol	MUSK

GENE INFORMATION

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

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