

Recombinant Human MUSK

Cat. No. MUSK-30261TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment from human MUSK, cytoplasmic domain, amino acids 519-end. Expressed by baculovirus in Sf9 insect cells using an N-terminal tag, 63kDa.
Species	Human
Protein Length	519-end a.a.
Description	This gene encodes a muscle-specific tyrosine kinase receptor. The encoded protein may play a role in clustering of the acetylcholine receptor in the postsynaptic neuromuscular junction. Mutations in this gene have been associated with congenital myasthenic syndrome. Alternatively spliced transcript variants have been described.
Biological activity	Specific activity is 6.7 nmol/min/mg.
Form	Liquid
Storage buffer	Preservative: None Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, pH 7.5
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
Sequence Similarities	Belongs to the protein kinase superfamily. Tyr protein kinase family. Contains 1 FZ (frizzled) domain. Contains 3 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 protein kinase domain.

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GENE INFORMATION

Gene Name	MUSK muscle, skeletal, receptor tyrosine kinase [Homo sapiens]
Official Symbol	MUSK
Synonyms	MUSK; muscle, skeletal, 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; PDZ domain binding; nucleotide binding; receptor activity; transmembrane receptor protein tyrosine kinase activity;

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