Recombinant Human MUSK, GST-tagged

Cat. No. MUSK-105H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MUSK partial ORF (NP_005583, 301 a.a. - 400 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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.
Molecular Mass	36.63 kDa
AA Sequence	ISIAEWSKPQKDNKGYCAQYRGEVCNAVLAKDALVFLNTSYADPEEAQELLVHTAW NELKVVSPVCRPAAEALLC NHIFQECSPGVVPTPIPICREYCLA
Applications	ELISA; WB-Re; AP; Array
Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

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Gene Name	MUSK muscle, skeletal, receptor tyrosine kinase [Homo sapiens (human)]
Official Symbol	MUSK
Synonyms	MUSK; muscle, skeletal, receptor tyrosine kinase; muscle, skeletal receptor tyrosine-protein kinase; muscle-specific kinase receptor; muscle-specific tyrosine-protein kinase receptor; EC 2.7.10.1
Gene ID	4593
mRNA Refseq	NM_005592
Protein Refseq	NP_005583
MIM	601296
UniProt ID	O15146
Chromosome Location	9q31.3-q32
Pathway	ECM proteoglycans; Extracellular matrix organization
Function	ATP binding; protein binding; protein tyrosine kinase activity

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