

## Recombinant Human MUSK, GST-tagged

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

### SPECIFICATION

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

### GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA