

# Active Recombinant Human MUSK Protein, GST/His-tagged

Cat. No. MUSK-5760H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human MUSK (NM_005592, 529 a.a. - 869 a.a.) partial recombinant protein with GST-His tag expressed in Sf9 cells.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	529-869 a.a.
<b>Description</b>	<p>Intercellular communication is often mediated by receptors on the surface of one cell that recognize and are activated by specific protein ligands released by other cells. Members of one class of cell surface receptors, receptor tyrosine kinases (RTKs), are characterized by having a cytoplasmic domain containing intrinsic tyrosine kinase activity. This kinase activity is regulated by the binding of a cognate ligand to the extracellular portion of the receptor. DeChiara et al. (1996) [PubMed 8653786] noted that the RTKs, known to be expressed in cell type-specific fashions, play a role critical for the growth and differentiation of those cell types. For example, members of the neural-specific TRK family that recognize nerve growth factor are absolutely required for the survival and development of discrete neuronal subpopulations, and the receptor tyrosine kinases TIE1 (MIM 600222) and TIE2 (MIM 600221) play a critical role in the development of normal blood vessels.[supplied by OMIM</p>
<b>Form</b>	Liquid
<b>Bio-activity</b>	19

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	pmol/μg x min
<b>Molecular Mass</b>	68.345 kDa
<b>Applications</b>	Functional Study SDS-PAGE
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Concentration</b>	0.159 μg/μL
<b>Storage Buffer</b>	In 50 mM Tris-HCl, 100 mM NaCl, pH 8.0. (5 mM DTT, 20% glycerol)
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	MUSK muscle, skeletal, receptor tyrosine kinase [ Homo sapiens ]
<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; MGC126323; MGC126324;
<b>Gene ID</b>	4593
<b>mRNA Refseq</b>	NM_001166280
<b>Protein Refseq</b>	NP_001159752
<b>MIM</b>	601296

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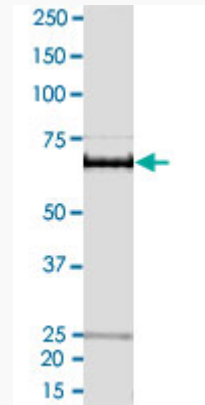
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UniProt ID

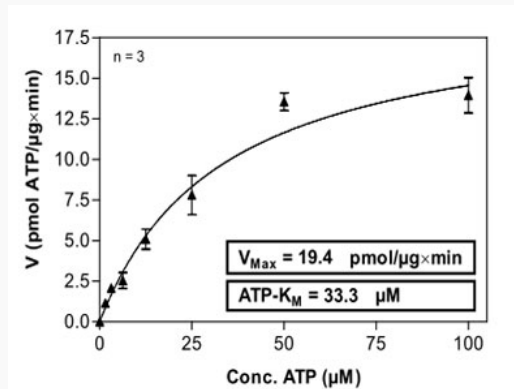
O15146

Quality Control  
Testing:



2 µg/lane SDS-PAGE Stained with Coomassie Blue

Result of activity  
analysis



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