

## Product datasheet for **TP762232**

### **MUSK (NM\_005592) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human muscle, skeletal, receptor tyrosine kinase (MUSK), transcript variant 1, Tyr54-Asn326, with N-terminal His tag, expressed in E.coli, 50ug
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	A DNA sequence encoding the region(Tyr54-Asn326) of MUSK
<b>Tag:</b>	N-His
<b>Predicted MW:</b>	29.9 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	50 mM Tris-HCl, pH 8.0, 8 M urea
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_005583</a>
<b>Locus ID:</b>	4593
<b>UniProt ID:</b>	<a href="#">O15146</a>
<b>RefSeq Size:</b>	2666
<b>Cytogenetics:</b>	9q31.3
<b>RefSeq ORF:</b>	2607
<b>Synonyms:</b>	CMS9; FADS; FADS1



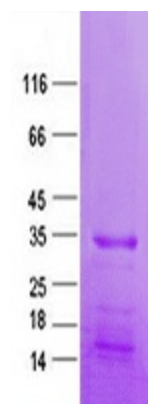
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**Summary:**

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.[provided by RefSeq, Oct 2009]

**Protein Families:**

Druggable Genome, Protein Kinase, Transmembrane

**Product images:**

Purified recombinant protein MUSK was analyzed by SDS-PAGE gel and Coomassie Blue Staining.