

Recombinant Cynomolgus MUSK Protein, His-tagged

Cat. No. MUSK-50C Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus Monkey MUSK Protein (Leu24-Thr495) with a C-terminal 6-His tag was expressed in Chinese Hamster Ovary cell line.
Species	Cynomolgus
Source	CHO
ProteinLength	24-495aa
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.
Tag	C-6×His
Bio-activity	Measured by its binding ability in a functional ELISA. In the presence of Recombinant Human Agrin, immobilized Recombinant Cynomolgus Monkey MuSK His-tag at 2 µg/mL (100 µL/well), Recombinant Human LRP-4 binds with an ED50 of 25.0-200 ng/mL.
Molecular Mass	53 kDa
Endotoxin	< 0.1 EU/µg by LAL.

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Purity	> 95 %, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
N-terminal Sequence Analysis	Leu24
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Shipping	The product is shipped at ambient temperature.
Reconstitution	Reconstitute at 500 µg/mL in PBS.

GENE INFORMATION

Gene Name	MUSK muscle associated receptor tyrosine kinase [<i>Macaca fascicularis</i> (crab-eating macaque)]
Official Symbol	MUSK
Synonyms	MUSK; muscle associated receptor tyrosine kinase; muscle, skeletal receptor tyrosine-protein kinase
Gene ID	102127677
mRNA Refseq	XM_005581093

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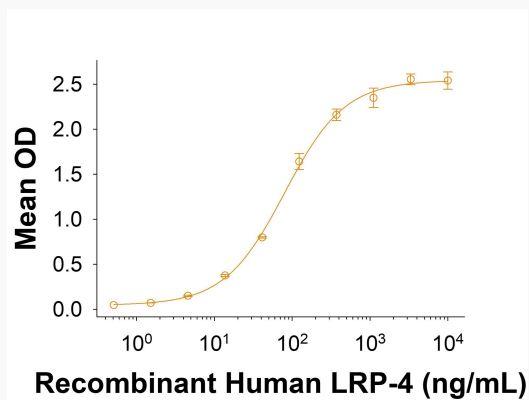
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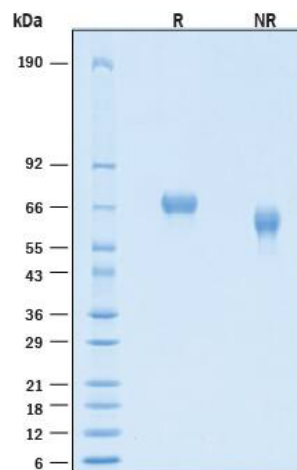
Protein Refseq XP_005581150

UniProt ID G7PRP5

Binding Activity



SDS-PAGE analysis of purified recombinant Human PPIA



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