

### Recombinant human MUSK protein ab71693

#### 5 图像

#### 描述

产品名称	重组人MUSK蛋白
生物活性	Specific activity is 6.7 nmol/min/mg.
纯度	> 85 % Densitometry. Affinity purified.
表达系统	Baculovirus infected Sf9 cells
Accession	<b><u>O15146-1</u></b>
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
种属	Human
预测分子量	63 kDa
氨基酸	519 to 869
标签	GST tag N-Terminus
额外的序列信息	Recombinant fragment from human MUSK, cytoplasmic domain, amino acids 519-end.

#### 技术指标

Our **Abpromise guarantee** covers the use of **ab71693** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	SDS-PAGE Functional Studies
形式	Liquid
补充说明	<b><u>ab64311</u></b> (Myelin Basic Protein protein) can be utilized as a substrate for assessing kinase activity

#### 制备和贮存

稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.0038% EGTA, 0.00174% PMSF, 0.00385% DTT, 0.79% Tris HCl, 0.00292%
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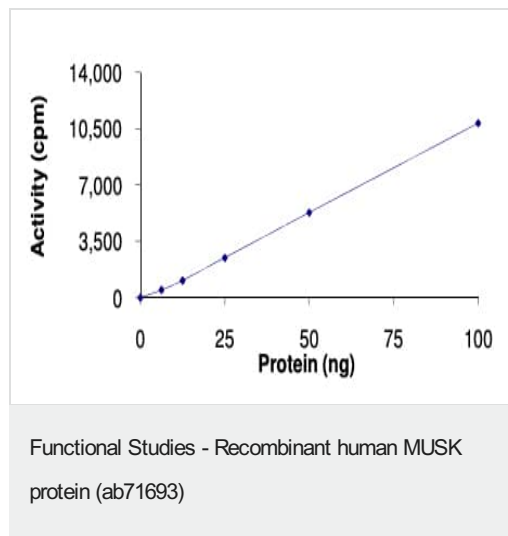
EDTA, 25% Glycerol (glycerin, glycerine), 0.87% Sodium chloride

This product is an active protein and may elicit a biological response in vivo, handle with caution.

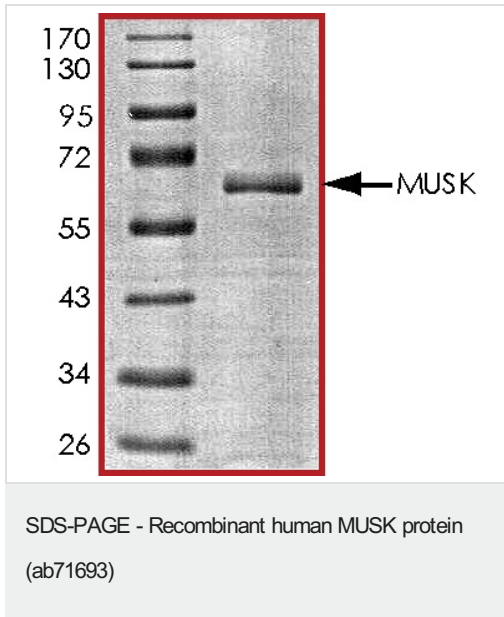
## 常规信息

功能	Receptor tyrosine kinase that is a key mediator of agrin's action and is involved in neuromuscular junction (NMJ) organization.
疾病相关	Defects in MUSK is a cause of congenital myasthenic syndrome with acetylcholine receptor deficiency (CMS-ACHRD) [MIM:608931]. A post-synaptic congenital myasthenic syndrome. Mutations underlying AChR deficiency cause a 'loss of function' and show recessive inheritance. Note=MUSK mutations lead to decreased agrin-dependent AChR aggregation, a critical step in the formation of the neuromuscular junction.
序列相似性	Belongs to the protein kinase superfamily. Tyr protein kinase family. Contains 1 FZ (frizzled) domain. Contains 3 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 protein kinase domain.
翻译后修饰	Ubiquitinated by PDZRN3. Ubiquitination promotes endocytosis and lysosomal degradation.
细胞定位	Membrane.

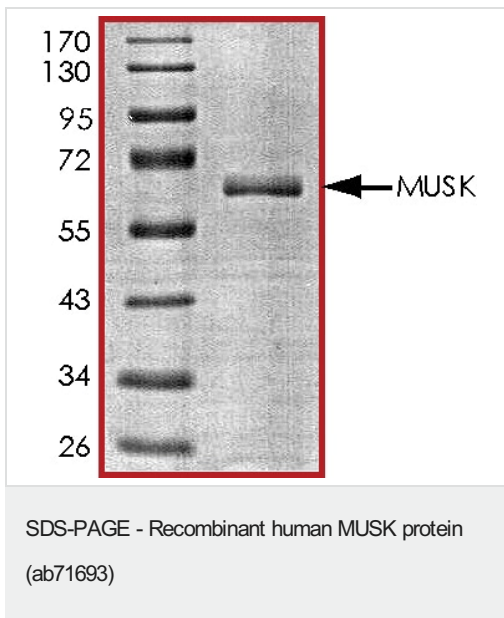
## 图片



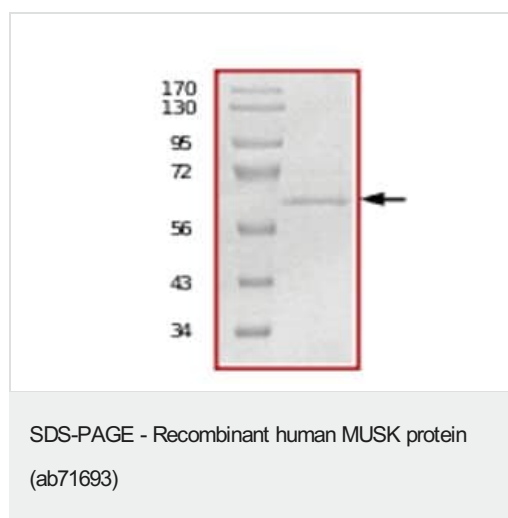
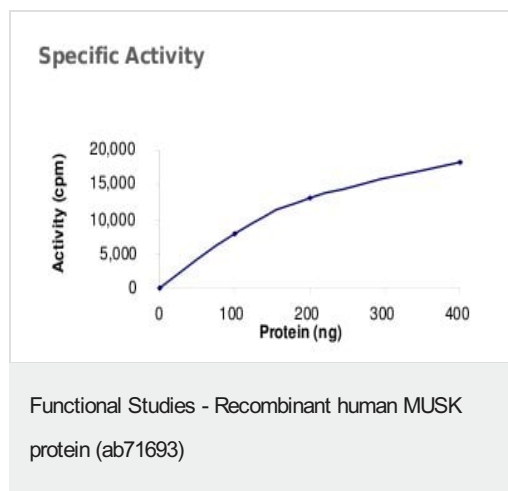
The specific activity of MUSK (ab71693) was determined to be 6 nmol/min/mg as per activity assay protocol



SDS PAGE analysis of ab71693



SDS PAGE analysis of ab71693



**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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