



Recombinant Human MUSK Protein Product Manual

1. Product Basic Information

Product No.: REP07531

Protein Name: Muscle-Specific Kinase Receptor (MUSK)

Aliases: CMS9; FADS; muscle-specific kinase receptor; muscle associated receptor tyrosine kinase; muscle, skeletal, receptor tyrosine kinase; muscle-specific tyrosine-protein kinase receptor; muscle, skeletal ...

UniProt ID: O15146

UniProt Link: <https://www.uniprot.org/uniprotkb/O15146/entry>

Species Source: Homo sapiens (Human)

Expression System: Homo sapiens (Human)

Protein Length: Partial (24-495aa)

Molecular Weight: 53.9 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (24-495aa)

LPKAPVITTPLETVDALVEEVATFMCAVESYPQPEISWTRNKILIKLFDTRYISIRENGQ
LLTILSVEDSDDDGIYCCTANNGVGGAVESGALQVKMKPKITRPPINVKIIEGLKAVLP
CTTMGNPKPSVSWIKGDSPLRENSRIAVLESGSLRIHNVQKEDAGQYRCVAKNSLG
TAYSKVVKLEVEVFARILRAPESHNVTFGSFVTLHCTATGIPVPTITWIENGNAVSSG
SIQESVKDRVIDSRLQLFITKPGLYTCIATNKHGEKFSTAKAAATISIAEWSKPQKDNK
GYCAQYRGEVCNAVLAKDALVFLNTSYADPEEAQELLVHTAWNELKVVPVCRPA
AEALLCNHIFQECSGPGVVPTPIPICREYCLAVKELFCAKEWLVMEETHRGGLYRSEM
HLLSVPECSKLPSMHWDPTACARLPHLDYNKENLKTFFPMTSSKPSVDIPNLPSSS
SSSFSVSPTYSMT

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human MUSK partial protein (24-495aa) expressed in Homo sapiens (Human). The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. MUSK, also known as CMS9 or FADS or muscle-specific kinase receptor, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.