

# Recombinant Mouse RPS6KA4 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP08127

**Protein Name:** RPS6KA4

**Aliases:** MSK2

**UniProt ID:** O75676

**UniProt Link:** <https://www.uniprot.org/uniprotkb/O75676/entry>

**Species Source:** Mus musculus (Mouse)

**Expression System:** Baculovirus

**Protein Length:** Full Length (1-773aa)

**Molecular Weight:** 91.3 kDa

**Protein Tag:** C-terminal 6xHis-tagged

## 2. Amino Acid Sequence (1-773aa)

MGDEDEDEGCVELQITEANLTGHEEKVSVENFALLKVLGTGAYGKVFLVRKTGGH  
DAGKLYAMKVLRKAALVQRAKTQEHTRTERSVLELVRQAPFLVTLHYAFQTDALH  
LILDYVSGGEMFTHLYQRQYFKEAEVRVYGG EIVLAL EHLHKLGIYRDLKLENVLLD  
SEGHIVLTD FGLSKEFLTEEKERTFSFCGTIEYMAPEIIRSKAGHGKAVDWWSLGILL  
FELLTGASPF TLEGERNTQAEVSRRIKCSPPFPLRIGPVAQDLLQRLLCKDPKKRL  
GAGPQGAQE VKSHPPFFQGLDWVALAARKIPAPFRPQIRSELDVGNFAEEFTRLEPV  
YSPAGSPPP GDPRIFQGYSFVAPSILFDHNNAVMADV LQAPGAGYRPGRAAVARS  
AMMQDSPFF QQYELDLREPALGQGSFSVCRRRCRQRQSGQEFVAVKILSRRLEENTQ  
REVAALRLCQSHPNVNLHEVLHDQLHTYLVE LLLRGGELLEHIRKKRLFSESEASQ  
ILRSLVSAVSFMHEEAGVVHRDLKPENILYADDTPGAPVKIIDFGFARLRPQSPA EPM  
QTPCFTLQYAAPELLAQQGYDESCDLWSLGVILYMMLSGQVFPFQGASGQGGQSQ  
AAEIMCKIREGRFSLDGEAWQGVSEEAKELVRGLLTVDPARKLKL EGLRSSSWLQD  
GSARSSPPLRTPDVLESSGPAVRSGLNATFMAFNRGKREGFFLKS VENAPLAKRR  
KQKLRSAAASRRGSPVPASSGRLPASAAKGTTTRRANGPLSPS

## 3. Storage Buffer

**Liquid Delivery Form:** Tris/PBS-based buffer with 5%-50% glycerol. Custom



**Enlibio** Wuhan Enlibio Biotech Co.,Ltd Manuals version5.9  
glycerol content is available upon customer request (please specify requirements when placing orders).

**Lyophilized Powder Delivery Form:** Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

## 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 Mouse RPS6KA4 full length protein (1-773aa) expressed in Baculovirus. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. RPS6KA4, also known as MSK2, 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.