

# Recombinant Human SEMA3G Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP08191

**Protein Name:** Semaphorin 3G (SEMA3G)

**Aliases:** semaphorin 3G; semaphorin-3G; semaphorin sem2

**UniProt ID:** Q9NS98

**UniProt Link:** <https://www.uniprot.org/uniprotkb/Q9NS98/entry>

**Species Source:** Homo sapiens (Human)

**Expression System:** Mammalian cell

**Protein Length:** Full Length of Mature Protein (23-782aa)

**Molecular Weight:** 89.5 kDa

**Protein Tag:** N-terminal 10xHis-tagged and C-terminal Myc-tagged

## 2. Amino Acid Sequence (23-782aa)

GPSPGPSVPRRLRSYRDLLSANRSAIFLGPQGSLNLQAMYLDEYRDRLFLGGLDAL  
YSLRLDQAWPDPREVLWPPQPGQREECVRKGRDPLTECANFVRVLQPHNRTHLL  
ACGTGAFQPTCALITVGHGRGEHVLHLEPGSVESGRGRCPHEPSRPFASFIDGELY  
TGLTADFLGREAMIFRSGGPRPALRSDSDQSLLDHDPFVMAARIPENSDDNDKVVY  
FFFSETVPSPDGGSNHVTVSRVGRVCVNDAGGQRVLVKNWSTFLKARLVCSVPGP  
GGAETHFDQLEDVFLWPKAGKSLEVYALFSTVSAVFQGFVAVCVYHMADIWEVFN  
GPFHRDGPQHQWGPYGGKVPFPRPGVCPKMTAQPRPFGSTKDYPDEVLQF  
ARAHPLMFWPVRPRHGRPVLVKTHLAQQLHQIVDRVEAEDGTYDVIFLGTDSGSV  
LKVIALQAGGSAEPEEVVLEELQVFKVPTPITEMEISVKRQMLYVGSRLGVAQLRLH  
QCETYGTACAECCLARDPYCAWDGASCTHYRPSLGKRRFRRQDIRHGPNALQCL  
GQSQEEEEAVGLVAATMVYGTTEHNSTFLECLPKSPQAAVRWLLQRPGEDEGPDQVK  
TDERVLHTEGRLFRRLSRFDAGTYTCTTLEHGFSQTVVRLALVVIVASQLDNLFFP  
EPKPEEPPARGGLASTPPKAWYKDILQLIGFANLPRVDEYCERVWCRGTTECSGCF  
RSRSRGKQARGKSWAGLELGKKMKSRVHAEHNRTPREVEAT

## 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 Human SEMA3G full length of mature protein protein (23-782aa) expressed in Mammalian cell. The protein is dual-tagged with 10xHis tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. SEMA3G, also known as semaphorin 3G or semaphorin-3G or semaphorin sem2, 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.