

Full-Length

# SEMA3D (Human) Recombinant Protein (P01)

Catalog # H00223117-P01

Size 25 ug, 10 ug

## Applications

## Specification

### Product Description

Human SEMA3D full-length ORF ( AAH29590.1, 1 a.a. - 416 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MADIRAVFNGPYAHKESADHRWVQYDGRIPYPRPGTCPSKTYDPLIKSTRDFPDDVISFIKRHSVM  
YKSVYPVAGGPTFKRINVDYRLTQIVVDHVAEDGQYDVMFLGTDIGTVLKVVSSISKEKWNMEEVVL  
EELQIFKHSSIIILNMELSLKQQQLYIGSRDGLVQLSLHRCDTYGKACADCCCLARDPYCAWDGNAC  
SRYAPTSKRARRRQDVKYGDPITQCWDIEDSISHETADEKVIFGIEFNSTFLECIPKSQQATIKWYIQ  
RSGDEHREELKPDERIIKTEYGLLIRSLQKKDSGMYCKAQEHTFIHTVKLTNLVIENEQMENTQRA  
EHEEGKVKDLLAESRLRYKDYIQLSSPNFSLDQYCEQMWHREKRQRNKGGPKWKHMQUEMKK  
KRNRHHRDLDELPRAVAT

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

75.1

### Preparation Method

[in vitro wheat germ expression system](#)

### Purification

Glutathione Sepharose 4 Fast Flow

### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

### Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

### Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Note**

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — SEMA3D

|                     |                                                                                        |
|---------------------|----------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">223117</a>                                                                 |
| GeneBank Accession# | <a href="#">BC029590.1</a>                                                             |
| Protein Accession#  | <a href="#">AAH29590.1</a>                                                             |
| Gene Name           | SEMA3D                                                                                 |
| Gene Alias          | MGC39708, Sema-Z2, coll-2                                                              |
| Gene Description    | sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3D |
| Omim ID             | <a href="#">609907</a>                                                                 |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                              |
| Gene Summary        | SEMA3D                                                                                 |
| Other Designations  | collapsin 2 semaphorin 3D                                                              |

## Pathway

- [Axon guidance](#)

## Disease

- [Dominance](#)
- [Schizophrenia](#)