

Datasheet for ABIN7314532

## SEMA3A Protein (AA 26-546) (DYKDDDDK Tag,His tag)



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### Overview

|                               |                                                                      |
|-------------------------------|----------------------------------------------------------------------|
| Quantity:                     | 50 µg                                                                |
| Target:                       | SEMA3A                                                               |
| Protein Characteristics:      | AA 26-546                                                            |
| Origin:                       | Human                                                                |
| Source:                       | Human Cells                                                          |
| Protein Type:                 | Recombinant                                                          |
| Purification tag / Conjugate: | This SEMA3A protein is labelled with DYKDDDDK Tag,His tag.           |
| Application:                  | Western Blotting (WB), SDS-PAGE (SDS), ELISA, Mass Spectrometry (MS) |

### Product Details

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| Purpose:  | Recombinant Human Semaphorin 3A Protein is produced by mammalian expression system and the target gene encoding Lys26-Phe546 is expressed with a 6His-Flag tag at the C-terminus.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Sequence: | <p>GSGSHHHHHH DYKDDDDKKN NVPRLKLSYK EMLESNNVIT ENGLANSSSY HTFLLDEERS</p> <p>RLYVGAKDHI FSFDLVNIKD FQKIVWPVSY TRRDECKWAG KDILKECANF IKVLKAYNQ T</p> <p>HLIACGTGAF HPICTYIEIG HHPEDNIFKL ENSHFENGRG KSPYDPKLLT ASLLIDGELY</p> <p>SGTAADFMGR DFAIFRTLGH HHPIRTEQHD SRWLNDPKFI SAHLISESDN PEDDKVYFFF</p> <p>RENAIDGEHS GKATHARIGQ ICKNDFGGHR SLVNKWTTFL KARLICSVPG PNGIDTHFDE</p> <p>LQDVFLMNFK DPKNPVVYGV FTTSSNIFKG SAVCMYSMSD VRRVFLGPYA HRDGPNYQWV</p> <p>PYQGRVPYPR PGTCPSTKTFG GFDSTKDLPD DVITFARSHP AMYNPVFPMN NRPIVIKTDV</p> <p>NYQFTQIVVD RVDAEDGQYD VMFIGTDVGT VLKVVSIPE TWYDLEEVLL EEMTVFREPT</p> <p>AISAMELSTK QQQLYIGSTA GVAQLPLHRC DIYGKACAEC CLARDPYCAW DGSACSRYP</p> |

## Product Details

|         |                                                       |
|---------|-------------------------------------------------------|
| Purity: | Greater than 95 % as determined by reducing SDS-PAGE. |
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|            |                 |
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| Sterility: | 0.2 µm filtered |
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## Target Details

|         |        |
|---------|--------|
| Target: | SEMA3A |
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|                   |                                            |
|-------------------|--------------------------------------------|
| Alternative Name: | SEMA3A ( <a href="#">SEMA3A Products</a> ) |
|-------------------|--------------------------------------------|

|          |       |
|----------|-------|
| Gene ID: | 10371 |
|----------|-------|

|          |                        |
|----------|------------------------|
| UniProt: | <a href="#">Q14563</a> |
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|           |                                         |
|-----------|-----------------------------------------|
| Pathways: | <a href="#">Regulation of Cell Size</a> |
|-----------|-----------------------------------------|

## Application Details

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| Application Notes: | Optimal working dilution should be determined by the investigator. |
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|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
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## Handling

|         |             |
|---------|-------------|
| Format: | Lyophilized |
|---------|-------------|

|         |                                                             |
|---------|-------------------------------------------------------------|
| Buffer: | Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. |
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|                  |                                                                                                                                                                                                                                                                               |
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| Handling Advice: | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
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|          |        |
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| Storage: | -20 °C |
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| Storage Comment: | Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months. |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|