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Datasheet for ABIN7538517

## SEMA7A Protein (AA 45-647) (His tag)

### 1 Image

#### Overview

Quantity:	50 µg
Target:	SEMA7A
Protein Characteristics:	AA 45-647
Origin:	Human
Source:	Mammalian Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SEMA7A protein is labelled with His tag.

#### Product Details

Purpose:	Recombinant Human SEMA7A Protein with C-terminal 6xHis tag
Specificity:	SEMA7A (Gln45-Leu647) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

#### Target Details

Target:	SEMA7A
Alternative Name:	SEMA7A ( <a href="#">SEMA7A Products</a> )
Background:	This gene encodes a member of the semaphorin family of proteins. The encoded preproprotein

## Target Details

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is proteolytically processed to generate the mature glycosylphosphatidylinositol (GPI)-anchored membrane glycoprotein. The encoded protein is found on activated lymphocytes and erythrocytes and may be involved in immunomodulatory and neuronal processes. The encoded protein carries the John Milton Hagen (JMH) blood group antigens. Mutations in this gene may be associated with reduced bone mineral density (BMD). Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by RefSeq, Feb 2016]

**Molecular Weight:** predicted molecular mass of 69.2 kDa after removal of the signal peptide. The apparent molecular mass of SEMA7A-His is 70-100 kDa due to glycosylation.

**UniProt:** [O75326](#)

**Pathways:** [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [Regulation of Cell Size](#)

## Application Details

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**Restrictions:** For Research Use only

## Handling

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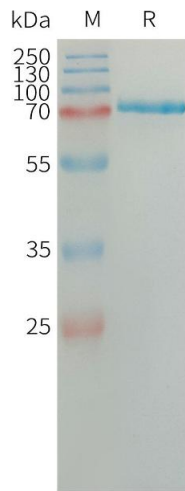
**Format:** Lyophilized

**Buffer:** Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

**Storage:** -20 °C,-80 °C

**Storage Comment:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

**Expiry Date:** 12 months



### SDS-PAGE

**Image 1.** Human SA Protein, His Tag on SDS-PAGE under reducing condition.