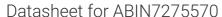
antibodies - online.com







SEMA7A Protein (AA 45-646) (His tag)

Images



Overview

Quantity:	100 μg
Target:	SEMA7A
Protein Characteristics:	AA 45-646
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SEMA7A protein is labelled with His tag.

Product Details

Purpose:	Mouse SEMA7A Protein
Sequence:	Gln45-Ala646
Characteristics:	Recombinant Mouse SEMA7A Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Gln45-Ala646.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

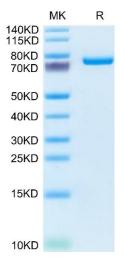
Target:	SEMA7A
Alternative Name:	SEMA7A (SEMA7A Products)

Target Details

Expiry Date:

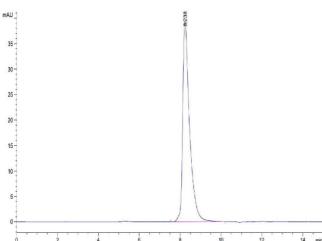
12 months

Semaphorin7A (Sema7A) plays an important role in the immunoregulation of the brain. Sema7A is upregulated in the epileptic brain and plays a potential role in the regulation of seizure activity in PTZ-kindled epileptic rats, which may be related to neuroinflammation. Sema7A promotes the inflammatory cytokines TNF-a and IL-6 as well as the growth of mossy fibers through the ERK pathway, suggesting that Sema7A may promote seizures by increasing neuroinflammation and activating pathological neural circuits. Sema7A plays a critical role in epilepsy and could be a potential therapeutic target for this neurological disorder.
69.5 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Tris-Bis PAGE result.
Q9QUR8
Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response, Regulation of Cell Size
For Research Use only
Lyophilized
Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Lyophilized from $0.22\mu m$ filtered solution in PBS, 200 mM L-arginine (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
-20 °C,-80 °C
-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into
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SDS-PAGE

Image 1. Mouse SEMA7A on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Mouse SEMA7A is greater than 95% as determined by SEC-HPLC.