

Recombinant Rat Sema3a protein, His & T7-tagged

Cat. No. Sema3a-1905R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Sema3a aa. (Arg31~Pro150 (Accession # Q63548)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Arg31~Pro150
Description	Induces neuronal cell death; induces apoptosis of retinal ganglion cells in response to injury.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 17.7kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less

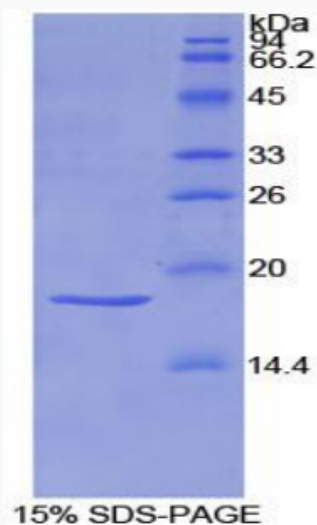
 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in ddH ₂ O.
Isoelectric Point	8.9
GENE INFORMATION	
Gene Name	Sema3a semaphorin 3A [Rattus norvegicus (Norway rat)]
Official Symbol	Sema3a
Synonyms	Sema3a; semaphorin 3A; semaphorin-3A; sema III; sema domain, immunoglobulin domain (Ig), short basic domain, sec; sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3A; semaphorin III
Gene ID	29751
mRNA Refseq	NM_017310.1
Protein Refseq	NP_059006.1
UniProt ID	Q63548

SDS-PAGE



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