

SEMA4D Protein, Rhesus macaque, Recombinant (His)

General Information

Protein Construction: 24-734 aa

Species: Rhesus

Expression Host: HEK293 Cells

Accession: H9FNS0

Molecular Weight: 81.9 kDa (predicted)

AA Sequence:

FAIPRITWEHREVLVQFHEPDIYNYSALLLSEDKDTLYIGAREAVFAVNALNISEKQHEVYWKVSEDKKAKC
AEKGKSKQTECLNYIRVLQPLSATSPLYVCGTNAFQPACDHLNLTFSKFLGKNEGDGKGRCPFDPAHSYTSVMV
DGELYSGTSYNFLGSEPIISRNSHSPRLRTEYAIPWLNPEPSFVFADVIRKSPDSDGDDRVYFFFTEVSVEYEFV
FRVLPRIARVCKGDQGGRLTLQKKWTSFLKARLICSRPDSSLVFNVLRDVFLRSPGLKVPVYALFTPQLNNV
GLSAVCAYNLSIAEEVFSHGKYMQSATVEQSHTKWVRYNGPVPKPRPGACIDSEARAANYTSSLNLPDKTLQ
FVKDHPLMDDSVTPIDNRPRLIKDVDNYTQIVVDRTQALDGTVDVDFVSTDRGALHKAISLEHAVHIIETQL
FQDFEPVQTLSSKKGRRFVYAGSNSGVVQAPLAFCKGHGTCEDCVLARDPYCAWSPPTATCVALYQTESP
SRGLVQEMSGDASVCPDKSKGSYRQHFFKHGGTAELKCSQKSNLARVFWKFQNGVLKAESPKYGLMGRKN
LLIFNLSEGDGSGVYQCLSEERVKNKTVFQVVAKHVLEVKVVPKPVVAPTLSVVQTEGSRIATKVLVASTQGSSP
PTPAVQATSSGAILPPKPVPTSTSCPEKIVINTVPQLHSEKTMYLKSSDNR

QC Testing

Biological Activity: Measured by its binding ability in a functional ELISA. Immobilized Rhesus macaque SEMA4D at 2 µg/mL can bind Anti-SEMA4D recombinant antibody, the EC 50 is 1.943-2.724 ng/mL.

Purity: > 95% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/µg of the protein as determined by the LAL method.

Formulation: Lyophilized from a solution filtered through a 0.22 µm filter, containing 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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