

Recombinant Rat ESAM Protein, Fc-tagged

Cat. No. ESAM-1094R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant rat ESAM (Q6AYD4) extracellular domain (Met 1-Ala 251) was fused with the Fc region of human IgG1 at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	1-251 a.a.
Predicted N Terminal	Gln 30
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Molecular Mass	The recombinant rat ESAM/Fc is a disulfide-linked homodimer. The reduced monomer comprises 463 amino acids and predicts a molecular mass of 51.2 kDa. The apparent molecular mass of the rat ESAM/Fc monomer is approximately 55-60 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>85 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be

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aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name

Esam endothelial cell adhesion molecule [*Rattus norvegicus*]

Official Symbol

ESAM

Synonyms

ESAM; endothelial cell adhesion molecule; endothelial cell-selective adhesion molecule; MGC94065;

Gene ID

300519

mRNA Refseq

NM_001004245

Protein Refseq

NP_001004245

MIM
UniProt ID
Pathway

Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; Hemostasis, organism-specific biosystem; Leukocyte transendothel

Function

molecular_function;

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