

Datasheet for ABIN7320087

**ESAM Protein (His tag)**[Go to Product page](#)**1** Image

## Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 100 µg                                      |
| Target:                       | ESAM  |
| Origin:                       | Mouse                                       |
| Source:                       | HEK-293 Cells                               |
| Protein Type:                 | Recombinant                                 |
| Purification tag / Conjugate: | This ESAM protein is labelled with His tag. |

## Product Details

|                  |   |
|------------------|---|
| Purpose:         | Recombinant Mouse ESAM Protein (His Tag)  |
| Sequence:        | Met 1-Ala 251   |
| Characteristics: | A DNA sequence encoding the mouse ESAM (Q925F2) (Met 1-Ala 251) was expressed, with a C-terminal polyhistidine tag. |
| Purity:          | > 92 % as determined by SDS-PAGE  |
| Endotoxin Level: | < 1.0 EU per µg of the protein as determined by the LAL method.   |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | ESAM   |
| Alternative Name: | ESAM ( <a href="#">ESAM Products</a> )   |
| Background:       | Background: Endothelial cell-selective adhesion molecule (ESAM) is a member of JAM family of immunoglobulin superfamily and consists of one V-type and one C2-type immunoglobulin domain, as well as a hydrophobic signal sequence, a single transmembrane region, and a |

## Target Details

cytoplasmic domain. It is specifically expressed at endothelial tight junctions and on activated platelets. ESAM at endothelial tight junctions participates in the migration of neutrophils through the vessel wall, possibly by influencing endothelial cell contacts. The adaptor protein membrane-associated guanylate kinase MAGI-1 has been identified as an intracellular binding partner of ESAM. Previous studies have indicated that ESAM regulates angiogenesis in the primary tumor growth and endothelial permeability. It suggest that ESAM has a redundant functional role in physiological angiogenesis but serves a unique and essential role in pathological angiogenic processes such as tumor growth.

Synonym: 2310008D05Rik,Esam1,W117m

Molecular Weight: 25.6 kDa

UniProt: [Q925F2](#)

## Application Details

Restrictions: For Research Use only

## Handling

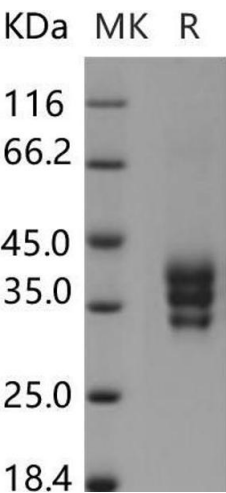
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.