

Endothelial Cell Adhesion Molecule (ESAM) Recombinant Protein | ESAM recombinant protein

Recombinant Endothelial Cell Adhesion Molecule (ESAM)

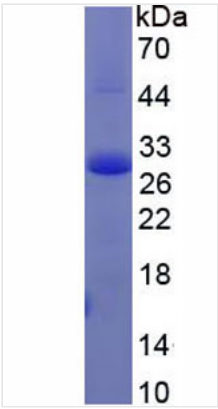
CATALOG # AAA134023	HOST E. coli	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Endothelial Cell Adhesion Molecule (ESAM); Recombinant Endothelial Cell Adhesion Molecule (ESAM); ESAM recombinant protein

PRODUCT SPECIFICATIONS

Host	E. coli
Purity/Purification	> 97%
Form/Format	PBS, pH 7.4, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 300 ug/mL (varies by lot)
Sequence	AQMELHVPPG LNKLEAVEGE EVVLP AWYTM AREESWSHPR EVPILIWFLE QEGKEPNQVL SYINGVMTNK PGTALVHSIS SRNVSLRLGA LQEGDSGTYR CSVNVQNDEG KSIGHSIKSI ELKVLVPPAP PSCSLQGV PY VGTNVTNLCK SPRSKPTAQY QWERLAPSSQ VFFGPALDAV RGSLKLTNLS IAMSGVYVCK AQNRVGF AKC NVTLDVMTGS
Applicable Applications for ESAM recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Organism	Mus musculus (Mouse)
Source	Prokaryotic expression
Residues	Ala29~Ser248
Tag	N-terminal His Tag
Subcellular Location	Membrane
Traits	Freeze-dried powder
Predicted isoelectric point	7.2
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. Stability Test: 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 than 5% within the expiration date under appropriate storage condition.



SDS-PAGE
Figure. SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	22094995
NCBI GeneID	69524
NCBI Accession #	NP_081378.1
NCBI GenBank Nucleotide #	NM_027102.3
UniProt Accession #	Q925F2
Molecular Weight	Predicted: 25.4kDa Accurate: 29kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	endothelial cell-selective adhesion molecule
NCBI Official Synonym Full Names	endothelial cell-specific adhesion molecule
NCBI Official Symbol	Esam
NCBI Official Synonym Symbols	Esam1; W117m; 2310008D05Rik
NCBI Protein Information	endothelial cell-selective adhesion molecule
UniProt Protein Name	Endothelial cell-selective adhesion molecule
UniProt Gene Name	Esam
UniProt Synonym Gene Names	Esam1
UniProt Entry Name	ESAM_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/esam-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/134023>