

Intercellular Adhesion Molecule 5 Recombinant Protein | ICAM5 recombinant protein

Recombinant Intercellular Adhesion Molecule 5 (ICAM5)

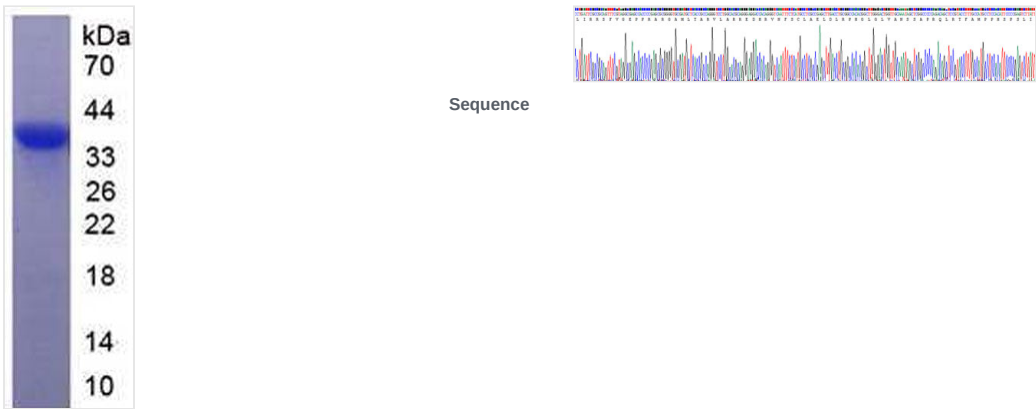
CATALOG # AAA143934	HOST E.coli	REACTIVITY Mus musculus (Mouse)	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Intercellular Adhesion Molecule 5; Recombinant Intercellular Adhesion Molecule 5 (ICAM5); ICAM5 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Mus musculus (Mouse)
Purity/Purification	> 95%
Form/Format	100mM NaHCO ₃ , 500mM NaCl, pH8.3, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 400ug/mL (varies by lot)
Sequence	LIRRSFVGEP PRARGAMLT A RVLARREDHR VNFSCLAELD LRP HGLGLFA NSSAPRQLRT FAMPPHSPSL IAPRVLEVDS ERPVTCTLDG LFP APEAGVY LSLGDQRLNP NVTLDGDSL V ATATATASAE QEGTKQLMCV VTLGGESRET QENLTVYSFP TPLLT LSEPE APEGKMTIS CWAGARALVT LEGIPAAVPG QPAELQLNVT KNDDKRGFFC DAALDVDGET LRKNQSSSEL R VLYAPRLDDL DCPRSWTWPE GPEQTLHCEA RGNPEPSV
Applicable Applications for ICAM5 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Leu164~Val441
Tags	N-terminal His Tag
Subcellular Location	Membrane
Traits	Freeze-dried powder
Predicted isoelectric point	4.7
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 affect 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 ddH ₂ O 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 degree C for one month. Aliquot and store at -80 degree 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 degree 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

NCBI AND UNIPROT INFORMATION

NCBI GI #	159110562
NCBI GeneID	15898
NCBI Accession #	NP_032345.2
NCBI GenBank Nucleotide #	NM_008319.2
Molecular Weight	Predicted Molecular Mass: 33.8kDa Accurate Molecular Mass: 38kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	intercellular adhesion molecule 5
NCBI Official Synonym Full Names	intercellular adhesion molecule 5, telencephalin
NCBI Official Symbol	Icam5
NCBI Official Synonym Symbols	TLN; CD50; Tlcn; Icam3; ICAM-3
NCBI Protein Information	intercellular adhesion molecule 5
UniProt Protein Name	Intercellular adhesion molecule 5
UniProt Gene Name	Icam5
UniProt Synonym Gene Names	Icam3; Tlcn; ICAM-5
UniProt Entry Name	ICAM5_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.