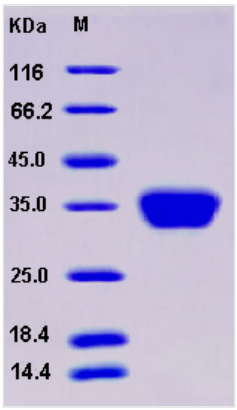
ASAM / CLMP Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	ASAM / CLMP, Recombinant Protein
Full Product Name	Recombinant Mouse ASAM / CLMP Protein (His tag)
Product Gene Name	ASAM / CLMP recombinant protein
Product Synonym Names	Acam, Asam, Asp5, Clmp
Host	Human Cells
Form/Format	Lyophilized from sterile PBS, pH 7.4
Purity/Purification	> 97 % as determined by SDS-PAGE
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -70 degree C
Molecular Weight	41,215 Da
3D Structure	ModBase 3D Structure for Q8R373
Predicted N Terminal	Thr 18
Endotoxin	< 1.0 EU per mug of the protein as determined by the LAL method
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Application Notes for ASAM / CLMP recombinant protein	The recombinant mouse ASAM consists of 226 amino acids and has a predicted molecular mass of 25.6 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm ASAM is approximately 33-36 kDa due to glycosylation.
Related Product Information for ASAM / CLMP recombinant protein	Background: Adipocyte-specific adhesion molecule (ASAM), also known as ACAM and CLMP, is a type I transmembrane protein and a member of the CTX (cortical thymocyte marker in Xenopus) family within the immunoglobulin superfamily. ASAM protein is highly expressed in the small intestine and placenta, and is found at intermediate levels in the heart, skeletal muscle, colon, spleen, kidney, and lung, and appears in low levels in the liver and peripheral blood leukocytes as well. ASAM is a transmembrane component of tight junctions in epithelial cells that can mediate cell aggregation and regulate transepithelial resistance across polarized epithelial cells. In addition, its expression is strongly correlated with white adipose tissue (WAT) mass of human and rodents with obesity. Description: A DNA sequence encoding the extracellular domain of mouse ASAM (Q8R373-1) (Met 1-Met 232) was expressed, with a polyhistidine tag at the C-terminus.
Other Notes	Small volumes of ASAM / CLMP recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ASAM / CLMP purchase	MBS2546918 is a recombinant protein targeting ASAM / CLMP. Also known as Recombinant Mouse ASAM / CLMP Protein (His tag). Host: Human Cells.



SDS-PAGE of ASAM / CLMP recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ASAM / CLMP. It may not necessarily be applicable to this product.

NCBI GI #	31542035
NCBI GeneID	71566
NCBI Accession #	NP_598494.2
UniProt Primary Accession #	Q8R373
UniProt Secondary Accession #	Q920S5
UniProt Related Accession #	Q8R373
GenBank Nucleotide #	NM_133733.4
NCBI Official Full Name	CXADR-like membrane protein
NCBI Official Synonym Full Names	CXADR-like membrane protein
NCBI Official Symbol	Clmp
NCBI Official Synonym Symbols	ACAM; ASP5; AW557819; 9030425E11Rik
UniProt Protein Name	CXADR-like membrane protein
UniProt Synonym Protein Names	Adipocyte adhesion molecule; Adipocyte-specific protein 5; Coxsackie- and adenovirus receptor-like membrane protein; CAR-like membrane protein
UniProt Gene Name	Clmp
UniProt Synonym Gene Names	Acam; Asam; Asp5; CAR-like membrane protein
NCBI Protein Information	CXADR-like membrane protein
UniProt Comments for ASAM / CLMP	ASAM: May be involved in the cell-cell adhesion. May play a role in adipocyte differentiation and development of obesity. Protein type: Cell adhesion; Membrane protein, integral Chromosomal Location of Human Ortholog: 9|9 A5.1 Cellular Component: cell surface; cytoplasmic microtubule; membrane; tight junction Biological Process: gut development
Research Articles on ASAM / CLMP	**1.** TNFalpha-mediated mRNA degradation of the CLMP gene is controlled by TTP through the JNK signalling cascade

Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/asam-clmp/2546918