

Recombinant human CD36/SR-B3 protein

Catalog Number: ATGP3768

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

30-439aa

UniProt No.

P16671

NCBI Accession No.

NP_000063

Alternative Names

Platelet glycoprotein 4 isoform 1, CD36, BDPLT10, CHDS7, FAT, GP3B, GP4, GPIV, PASIV, SCARB3

PRODUCT SPECIFICATION

Molecular Weight

73.9 kDa (652aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 85% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

hIgG-His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

CD36, also known as platelet glycoprotein 4 isoform 1, is an integral membrane glycoprotein. This protein is found on the surface of cells that is thought to have a 'hairpin-like' structure with alpha-helices at the C- and N-termini projecting through the membrane and a larger extracellular loop. It is broadly expressed on a variety of cell types including adipocytes, skeletal muscle, and epithelial cells of the retina, breast, intestine, and

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megakaryocytes. Also, it is required for the anti-angiogenic effects of thrombospondin-1 in the corneal neovascularization assay. It plays a role in lipid metabolism and plays a significant role in the initiation and pathogenesis of chronic inflammatory diseases such as Alzheimer's disease and atherosclerosis. Recombinant human CD36, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

ADLGDLLIQK TIKKQVVLEE GTIAFKNWVK TGTEVYRQFW IFDVQNPQEV MMNSSNIQVK QRGPTYRVR FLAKENVTQD
AEDNTVSFLQ PNGAIFEPSL SVGTEADNFT VLNLAVAAAS HIYQNQFVQM ILNSLINKSK SSMFQVRTLRL ELLWGYRDPF
LSLVPYPVTT TVGLFYYPYNN TADGVYKVFN GKDNIKVAI IDTYKGKRNLSY WESHCDMI NGTDAASFPP FVEKSQVLQF
FSSDICRSIY AVFESDVNLK GIPVYRFVLP SKAFASPVEN PDNYCFCTEK IISKNTCSYG VLDISKCKEG RPVYISLPHF
LYASPDVSEP IDGLNPNEEE HRTYLDIEPI TGFTLQFAKR LQVNLVKPS EKIQVLKLNK RNYIVPILWL NETGTIGDEK
ANMFRSQVTG KINLEPKSCD KTHTCPPCPA PELLGGPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG
VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVSNKALPAP IEKTISKAKG QPREPQVYTL PPSRDELTKN
QVSLTCLVKG FYPSDIAVEW ESNGQPENNY KTTTPVLDSG GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA LHNHYTQKSL
SLSPGKHHHH HH

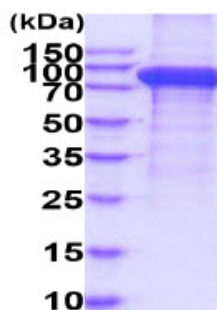
General References

Tandon NN., et al, (1989) J. Biol. Chem. 264:7570-7575

Wei P., et al, (2017) J. Biol. Chem. 292:8683-8693.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.