

32-13105: CD36 Mouse

Alternative Name : Platelet glycoprotein 4, Glycoprotein IIIb, GPIIB, PAS IV, PAS-4, Platelet glycoprotein IV, GPIV, CD36, Cd36.

Description

Source: Sf9, Insect cells.

Sterile filtered colorless solution.

Platelet glycoprotein IV, also known as CD36 is an integral membrane glycoprotein which has multiple physiological functions. CD36 is broadly expressed on a wide array of cell types. CD36 is part of the scavenger receptor family and acts as a multiligand pattern recognition receptor which interacts with a large number of structurally dissimilar ligands. Furthermore, CD36 participates in lipid metabolism and has been known as a fatty acid translocase which is required for the binding as well as transport of LCFA in cells & tissues. CD36 also takes a major part in the initiation as well as pathogenesis of chronic inflammatory diseases such as Alzheimer's disease and atherosclerosis. CD36 is an integral membrane protein which mainly functions as a receptor for thrombospondin & collagen. CD36 directly mediates the cytoadherence of Plasmodium falciparum parasitized erythrocytes.

CD36 produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 419 amino acids (30-439a.a.) and having a molecular mass of 47.4kDa (Molecular size on SDS-PAGE will appear at approximately 57-70kDa). CD36 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 95.0% as determined by SDS-PAGE.

Content : CD36 protein solution (1mg/ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.

Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid : ADPGDMLIEK TIKREVVLEE GTTAFKNWVK TGTTVYRQFW IFDVQNPDDV AKNSSKIKVK QRGPTYRVR
YLAKENITQD PEDHTVSFVQ PNGAIFEPSL SVGTEDDNFT VLNLAFAAAP HIYQNSFVQV VLNSLIKKSK
SSMFQTRSLK ELLWGYKDPF LSLVPYPIST TVGVFYFYPND TVDGVYKVFN GKDNIKVAI IESYKGKRN
SYWPSYCDMI NGTDAASFPP FVEKSRTLRF FSSDICRSY AVFGSEIDLK GIPVYRFVLP ANAFASPLQN
PDNHCFC TEK VISNNCTSYG VLDIGKCKEG KPVYISLPHF LHASPDVSEP IEGLHPNEDE HRTYLDVEPI
TGFTLQFAKR LQVNILVKPA RKIEALKNLK RPYIVPILWL NETGTIGDEK AEMFKTQVTG KIKHHHHHHH.