

# Product information

## Platelet glycoprotein 4, 30-439aa

Mouse, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3210

NCBI Accession No.: NP\_031669

**Synonyms:** Cd36, CD36 antigen, FAT, GPIV, Scarb3

**Description:** CD36, also known as platelet glycoprotein 4, is an integral membrane glycoprotein that has multiple physiological functions. It is broadly expressed on a variety of cell types. As a member of the scavenger receptor family, CD36 is a multiligand pattern recognition receptor that interacts with a large number of structurally dissimilar ligands. It plays a role in lipid metabolism and has been identified as a fatty acid translocase necessary for the binding and transport of LCFA in cells and tissues. It also plays a significant role in the initiation and pathogenesis of chronic inflammatory diseases such as Alzheimer's disease and atherosclerosis. It is an integral membrane protein primarily serving as receptors for thrombospondin and collagen and by the erythrocytes infected with the human malaria parasite. Recombinant mouse CD36, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**Form:** Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**Molecular Weight:** 47.4kDa (419aa)

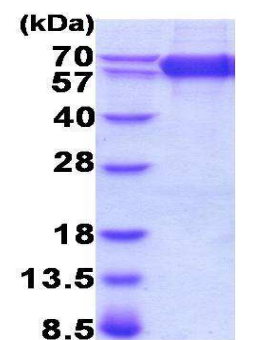
57-70kDa (SDS-PAGE under reducing conditions)

**Predicted N terminal:** Ala

**Purity:** > 95% by SDS – PAGE.

**Concentration:** 1mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:** < 1.0 EU per 1µg of protein (determined by LAL method)



15% SDS-PAGE (3µg)

### Sequences of amino acids:

ADPGDMLIEK TIKREVVLEE GTTAFKNWVK TGTTVYRQFW IFDVQNPDDV AKNSSKIKVK QRGPTYRVR YLAKENITQD PEDHTVSFVQ  
 PNGAIFEPSL SVGTEDDNFT VLNLAVAAAP HIYQNSFVQV VLNSLIKKS SSMFQTRSLK ELLWGYKDPF LSLVPYPIST TVGVFPYND  
 TVDGVYKVFN GKNISKVAI IESYKGRNL SYWPSYCDMI NGTDAASFPP FVEKSRTLRF FSSDICRSIY AVFGSEIDLK GIPVYRFVLP  
 ANAFASPLQN PDNHCFCSTEK VISNNCTSYG VLDIGKCKEG KPVYISLPHF LHASPDVSEP IEGLHPNEDE HRTYLDVEPI TGFTLQFAKR  
 LQVNILVKPA RKIEALKNLK RPYIVPILWL NETGTIGDEK AEMFKTQVTG KIKHHHHHH

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**

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**General references:**

Febbraio M., *et al.* (2001) *J. Clin. Invest.* 108:785-791.

Armstrong LC., *et al.* (2003) *Matrix Biol.* 22:63-71.

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

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*Manufactured for:*

Immuno-Biological Laboratories, Inc. (IBL-America)  
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA  
Phone: (888) 523-1246 Fax.: (763) 780-2988  
Email: [info@ibl-america.com](mailto:info@ibl-america.com) Web: [www.ibl-america.com](http://www.ibl-america.com)