



Catalog Number: PR27287

Product Type: Recombinant Protein

Source: Sf9, Baculovirus Cells

Amino Acid Sequence: QECTKFKVSS CRECIESGPG CTWCQKLNFT GPGDPDSIRC DTRPQLLMRG CAADDIMDPT SLAETQEDHN GGQKQLSPQK VTLYLRPGQA AAFNVTFRRA KGYPIDLYL MDLSYSMLDD LRNVKKGDD LLRALNEITE SGRIGFGSFV DKTVLPFVNT HPDKLRNPCP NKEKECQPPF AFRHVLKLTN NSNQFQTEVG KQLISGNLDA PEGGLDAMMQ VAACP EEGW RNVTRLLVFA TDDGFHFAGD GKLGAITPN DGRCHLEDNL YKRSNEFDYP SVGQLAHKLA ENNIQPIFAV TSRMVKTYEK LTEIIPKSAV GELSESSNV VQLIKNAYNK LSSRVFLDHN ALPDTLKVTY DSFCSNGVTH RNQPRGDCDG VQINVPIITFQ VKVTATECIQ EQSFVIRALG FTDIVTVQVL PQCECRCDQ SRDRSLCHGK GFLECGICRC DTGYIGKNC CQTQGRSSQE LEGSCRKDN SIICSLGDC VCGQCLCHTS DVP GKLIYGO YCEDTINCE RYNGQVCGGP GRGLCFGKC RCHPGFEGSA CQCERTTEGC LNPRRVECSG RGRRCNVCE CHSGYQLPLC QECPCPSPC GKYISCAECL KFEKPGFGKN CSAACPLQL SNNPVKGRTC KERDSEGCWV AYTLEQQDGM DRYLIYVDES RECVAGPNLE HHHHHH.

Description/Molecular Mass: CD18 (ITGB2 or integrin beta-2) is a receptor for ICAM1, ICAM2, ICAM3 and ICAM4. CD18 may be a member of an extended family of cell surface molecules including the fibronectin binding protein. In addition, CD18 is a complement receptor type 3 (CR3). CD18 triggers neutrophil transmigration during lung injury through PTK2B/PYK2-mediated activation.

CD18 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 686 amino acids (23-700 a.a.) and having a molecular mass of 75.9kDa (Migrates at 70-100kDa on SDS-PAGE under reducing conditions).

CD18 is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Purity: Greater than 85.0% as determined by:
(a) Analysis by SDS-PAGE.

Format: CD18 protein solution (0.25mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Storage: 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.

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www.neuromics.com

Neuromics • 5325 West 74th Street, Suite 8 • Edina, MN 55439
phone 866-350-1500 • fax 612-677-3976 • e-mail pshuster@neuromics.com