

32-4107: Recombinant Human Left-Right Determination Factor 2

Alternative Name : CD47 Molecule, Antigenic Surface Determinant Protein OA3, CD47 Antigen (Rh-Related Antigen, Integrin-Associated Signal Transducer), Antigen Identified by Monoclonal, Antibody 1D8, Integrin Associated Protein, Integrin-Associated Protein, Rh-Related,

Description

Source : Sf9, Insect cells. CD47 Human Recombinant produced in Sf9 Insect cell is a single, non-glycosylated polypeptide chain containing 362 amino acids (19-141aa.a) and having a molecular mass of 40.9kDa (Migrates at 40-57kDa on SDS-PAGE under reducing conditions). CD47 is fused to a 239 amino acid hlgG-His-tag at C-terminus & purified by proprietary chromatographic techniques. CD47, functions in cell adhesions by performing as an adhesion receptor for THBS1 on platelets, furthermore CD47 plays a role in the modulation of integrins. In addition, CD47 takes a vital part in memory formation as well as synaptic plasticity in the hippocampus. Receptor for SIRPA avoids maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells. CD47 prevents premature elimination of red blood cells, and it is also implicated in membrane permeability changes induced following virus infection.

Product Info

Amount : 10 µg
Purification : Greater than 95.0% as determined by SDS-PAGE.
Content : CD47 protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) 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 : QLLFNKTKSV EFTFCNDTVV IPCFVTNMEA QNTTEVYVKW KFKGRDIYTF DGALNKSTVP TDFSSAKIEV SQLLKGDASL KMDKSDAVSH TGNYTCEVTE LTREGETIIE LKYRVVSWFS PNELEPKSCD KTHTCPPCPA PELLGGPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDPEVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVS NKALPAP IEKTISKAKG QPREPQVYTL PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNQPENNY KTTTPVLDSG GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA LHNHYTQKSL SLSPGKHHHH HH.