

32-7432: Recombinant Human Integrin α -5/ITGA5 (C-6His)

Gene : ITGA5
Gene ID : 3678
Uniprot ID : P08648

Description

Source: Human Cells.
MW :105.11kD.

Recombinant Human Integrin α -5 is produced by our Mammalian expression system and the target gene encoding Phe42-Tyr995 is expressed with a 6His tag at the C-terminus. Integrin α -5 belongs to the Integrin α chain family and contains 7 FG-GAP repeats. Integrin α -5 joins with Integrin- β 1 to form a fibronectin and laminin receptor which recognizes the sequence R-G-D in its ligands. In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesions. It is expressed on fibroblasts, endothelial cells, peripheral T cells and platelets. Integrin α -5 undergoes post-translational cleavage in the extracellular domain to yield disulfide-linked light and heavy chains. In addition to adhesion, ITGA5 participates in cell-surface mediated signalling.

Product Info

Amount : 10 μ g / 50 μ g
Content : Lyophilized from a 0.2 μ m filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : FNLDAEAPAVLSGPPGFSFFGFSVEFYRPGTDGVSVLVAGAPKANTSQPGVLQGGAVYLCWPWGASPTQCTPIEFD SKGSRLLESSLSSEGEPEVEYKSLQWFGATVRAHGSSILACAPLYSWRTEKEPLSDPVGTCYLSTDNFTRILEY APCRSDFSWAAGQGYCQGGFSAEFTKTGRVVLGGPGSYFWQGLSATQEQAESYYPEYLINLVQGLQTRQ ASSIYDSDYLGYSVAVGFEFGDDTEDFVAGVPGKLNLTGYVTILNGSDIRSLYNFSGEQMASYFGYAVAATDVN GDGLDDLLVGAPLLMDRTPDGRPQEVGRVYVYLQHPAGIEPTPTLTLTGHDEFGRFGSSLTPLGDLDQDGYND VAIGAPFGGETQQGVVVFVPGGPGGLGSKPSQVLQPLWAASHTPDDFFGSALRGGRDLGNGYVLDLIVGSFGV DKAVVYRGRPIVSASASLTIFPAMFNPEERSCSLEGNPVACINLSFCLNASGKHVADSIGFTVELQLDWQKQKG GVRRALFLASRQATLTQTLLIQNGAREDCREMKIYLRNESEFRDKLSPIHIALNFSLDPOAPVDSHGLRPALHYQ SKSRIEDKAQILLDCGEDNICVVDLQLEVFGEQNHVYLGDKNALNLTFFHAQNVGEGGAYEAELRVTAPEAEYS GLVRHPGNFSSLSCDYFAVNQSRLVCDLGNPMMKAGASLWGLRFTVPHLRDTKKTIQDFQILSKNLNNSQS DVVSFRLSVEAQAQVTLNGVSKPEAVLFPVSDWHPRDQPQKEEDLGPVHHVYELINQGPSSISQGVLELSCP QALEGQQLLYVTRVTGLNCTTNHPINPKGLELDPEGLHQQKREAPSRSSASSGPQILKCPAEFCFRLRCELG PLHQESQSLQLHFRVWAKTFLQREHQPFSLQCEAVYKALKMPYRILPRQLPQKERQVATAVQWTKAEGSYVD HHHHHH

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin : Less than 0.1 ng/ μ g (1 IEU/ μ g) as determined by LAL test.