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32-7348: Recombinant Human Urokinase Plasminogen Activator Surface Receptor/uPAR (C-6His)

Gene : PLAUR
Gene ID : 5329
Uniprot ID : Q03405

Description

Source: Human Cells.
MW :32.6kD.
Recombinant Human PLAUR is produced by our Mammalian expression system and the target gene encoding Leu23-Arg303 is expressed with a 6His tag at the C-terminus. The Urokinase Type Plasminogen Activator (uPA) receptor (uPAR) is a widely expressed receptor for urokinase plasminogen activator (uPA) and pro-uPA. uPAR / CD87 is a highly glycosylated, 55-60kDa integral membrane protein linked to the plasma membrane by a glycosylphosphatidylinositol (GPI) anchor. uPAR is expressed by T-cells, NK cells, monocytes, and neutrophils as well as non-hematopoietic cells that include vascular endothelial cells, fibroblasts, smooth muscle cells, keratinocytes, placental trophoblasts, hepatocytes, and a wide variety of tumor cells (including breast, colon, and prostate carcinoma, melanoma). It plays a critical role in the regulation of cell-surface plasminogen activation in physiological and pathological conditions, and it is also involved in cellular adhesion, the transmission of extracellular signals across the plasma membrane and the subsequent regulation of gene expression. uPAR has been implicated in several biological processes including angiogenesis, monocyte migration, cancer metastasis, trophoblast implantation, and wound healing. Human uPAR is encoded as a 313 amino acid residue polypeptide, excluding a 22 residue signal peptide and shows 60-70% similarity with the murine uPAR amino acid sequence although binding of uPA to uPAR shows strong species specificity.

Product Info

Amount :	10 µg / 50 µg
Content :	Lyophilized from a 0.2 µm 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 :	LRCMQCKTNGDCRVEECALGQDLCRTTIVRLWEEGEELELVEKSCTHSEKTNRTLSYRTGLKITSLTEVVCGLD LCNQGNSGRAVTYSRSRYLECISCGSSDMSCERGRHQSLQCRSPEEQCLDVVTHWIQEGEEGRPKDDRHLRG CGYLPGCPGSNGFHNNDTFHFLKCCNTTKCNEGPILELENLPQNGRQCYSCKGNSTHGCSSEETFLIDCRGPM NQCLVATGTHEPKNQSYMVRGCATASMCQHAHLGDAFSMNHIDVSCCTKSGCNHPDLDVQYRVDHHHHHH

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 ÃÂµg/ml. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Endotoxin : Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.