

Recombinant UPAR-(his)N, human



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Catalog U001
Lot 2799

Product description

This protein is a receptor for urokinase plasminogen activator. It is bound to the plasma membrane via a GPI anchor. However, a soluble protein is also produced in some cell types. It plays a role in localizing and promoting plasmin formation by binding both the proprotein and mature forms of urokinase plasminogen activator (U-PA) and permits the activation of the receptor-bound pro-enzyme by plasmin. The protein is subject to negative-feedback regulation by U-PA which cleaves it into an inactive form.

Reference sequences: NM_002659
NP_002650
Swiss-prot Q03405

Alternative names: UPAR
CD87
urokinase plasminogen activator surface receptor
monocyte activation antigen Mo3
urokinase plasminogen activator surface receptor
u-plasminogen activator receptor form 2
urokinase-type plasminogen activator (uPA) receptor

Gene ID: 5329

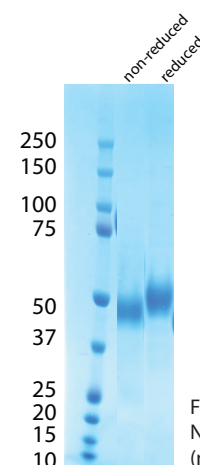


Figure 1
NuPage gel of U001
(non)reducing conditions

The mature protein of human UPAR, residues 23 - 335 was over-expressed in HEK293EBNA1 cells and purified to homogeneity. The protein has a C-terminal pre-peptide, residues 306-335, which are removed in the mature protein, 5 potential N-linked glycosylation sites, and 1 GPI-anchor amidated glycine residue. The protein contains a N-terminal hexahistidine tag. The calculated molecular weight without glycosylation of recombinant human UPAR, residues 23 - 335 including hexahistidine tag, is 36.1 kDa. Each vial contains 100 µg UPAR at 0.23 mg/ml.

Storage and stability

UPAR-(his)N should be stored at - 80 °C (stable for at least 1 year). The buffer is PBS without preservative. After thawing it should be stored in appropriate small aliquots at - 20 °C or - 80 °C (stable for at least 2 months).

Protein sequence

marplctlllmatlagalags

hhhhhh

gslrcmqcktnngdcrveecalgqd
lcrttivrlweegeelvelvekscthsektnrtslyrtgikitsltevcgldlcnqg
nsgravtysrsyleciscgssdmsergrhqsllqcrspeeqcldvthwiqe
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ymvrgcatasmcqahlgdafsnmhidvscctksgcnhpdlvdqyrsga
apqpgpahlsititlmtarlwggtllwtaaa*

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