

32-7639: Recombinant Human Folate Receptor α /FOLR1 (C-6His)

Gene : FOLR1
Gene ID : 2348
Uniprot ID : P15328

Description

Source: Human Cells.
MW :25.7kD.

Recombinant Human Folate Receptor alpha is produced by our Mammalian expression system and the target gene encoding Arg25-Ser234 is expressed with a 6His tag at the C-terminus. Folate receptor alpha(FOLR) belongs to the folate receptor family, and is primarily expressed in tissues of epithelial origin. It is also expressed in kidney, lung and cerebellum. The secreted form is derived from the membrane-bound form either by cleavage of the GPI anchor, or/and by proteolysis catalyzed by a metalloprotease. FOLR1 binds to folate and reduced folic acid derivatives and mediates delivery of 5-methyltetrahydrofolate and folate analogs into the interior of cells. It has high affinity for folate and folic acid analogs at neutral pH. Exposure to slightly acidic pH after receptor endocytosis triggers a conformation change that strongly reduces its affinity for folates and mediates their release. It is required for normal embryonic development and normal cell proliferation.

Product Info

Amount : 10 μ g / 50 μ g
Content : Lyophilized from a 0.2 μ m filtered solution of PBS,pH7.4.
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 : RIAWARTELLNVCMNAKHHKKEKPGPEDKLHEQCRPWRKNACCSTNTSQAHKDVSYLRFNWNHCGEMAPA
CKRHFQDTCLYECSPNLGPWIQQVDQSWRKERVNLNPLCKEDCEQWVEDCRTSYTCKSNWHKGWNTSG
FNKCAVGAACQPFHFYPTPTVLCNEIWITHSYKVSNYSRGSGRCIQMWFDPAQGNPNEEVARFYAAAMSVDH
HHHHH

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.