

Recombinant Mouse FOLR1

Catalog No: CB52

Description	Recombinant Mouse Folate Receptor Alpha is produced by our Mammalian expression system and the target gene encoding Thr25-Ser232 is expressed with a 6His tag at the C-terminus.
Source	Human Cells
Alternative name	Adult folate-binding protein; FBP; folate binding protein; folate receptor 1 (adult); Folate receptor 1; folate receptor alpha; Folate receptor, adult; Folbp1; FOLR; FOLR1; FR-alpha; KB cells FBP; MOv18; Ovarian tumor-associated antigen MOv18
Accession No.	P35846
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Reconstitution	<p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p> <p>It is not recommended to reconstitute to a concentration less than 100µg/ml.</p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Quality Control	<p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.</p>
Shipping	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
Storage	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Amino Acid Sequence	<p>TRARTELLNVCMDAKHHKEKPGPEDNLHDQCSPWKTNSCCSTNTSQEAHKDISYLYRFNWNHCGTMTS</p> <p>ECKRHF IQDTCLYECSPNLGPWQQVDQSWRKERILDVPLCKEDCQQQWVEDCQSSFTCKSNWHKGNW</p> <p>WSSGHNECPVGASCHPFTFYFPTSAALCEEIWSHSYKLSNYSRGSGRCIQMWFDPAQGNPNEEVARFY</p> <p>AEAMSVDDHHHHHH</p>
Background	<p>Folate Receptor alpha belongs to the folate receptor family and it is a 37 - 42 kDa protein that mediates the cellular uptake of folic acid and reduced folates. Mature FOLR1 is an N-glycosylated protein that is anchored to the cell surface by a GPI linkage. FOLR1 can be detected in kidney proximal tubules. It is critically required during early embryogenesis as shown in knockout mice which die in utero with gross morphological defects. 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. Required for normal embryonic development and normal cell proliferation. Required for renal folate reabsorption.</p>

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