

FOLR2 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P77937
Synonyms:	FBP; FOLR2; OLR2; BETA-HFR; FR-BETA; FR-P3
Species:	Mouse
Source:	HEK293
Accession:	Q05685 (R21-S227)
Gene ID:	14276
Molecular Weight:	30-40 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μ m filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The FOLR2 protein plays a pivotal role in binding to folate and reduced folic acid derivatives, facilitating the transport of 5-methyltetrahydrofolate and folate analogs into the intracellular space. It exhibits a remarkable affinity for folate and folic acid analogs under neutral pH conditions. However, upon receptor endocytosis, exposure to a slightly acidic pH induces a conformational change in FOLR2, leading to a substantial reduction in its affinity for folates and subsequent release from the receptor, as observed in similar proteins.
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Caution: Product has not been fully validated for medical applications. For research use only.

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