

FOLR3 Protein, Human (HEK293, His)

Cat. No.:	HY-P78766
Synonyms:	folate receptor 3 (gamma); Folate receptor 3; folate receptor gamma; FOLR3; FR-G; FR-gamma; gamma-Hfr;
Species:	Human
Source:	HEK293
Accession:	P41439 (Q23-S245)
Gene ID:	2352
Molecular Weight:	33-45 kDa

PROPERTIES

Biological Activity	Human FOLR3 protein captured on CM5 chip can bind Folic acid with an affinity constant of 0.122 nM as detected by SPR assay(Biacore T200).
Appearance	Lyophilized powder
Formulation	Lyophilized a 0.22 µm filtered solution of 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/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 FOLR3 protein plays a pivotal role in folate metabolism, binding to folate and reduced folic acid derivatives while facilitating the delivery of 5-methyltetrahydrofolate to the interior of cells. It is noteworthy that the Isoform Short of FOLR3 does not exhibit folate-binding capabilities. This differential binding behavior suggests distinct functional roles for the various isoforms of FOLR3, emphasizing the nuanced regulation of folate transport within cellular processes.
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Caution: Product has not been fully validated for medical applications. For research use only.

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