

FOLR1 Protein, Rat (HEK293, Fc)

Cat. No.:	HY-P75775
Synonyms:	Folate receptor alpha; FR-alpha; FBP; FOLR1; FOLR
Species:	Rat
Source:	HEK293
Accession:	G3V8M6/NP_598211.1 (A20-M231)
Gene ID:	171049
Molecular Weight:	Approximately 50.9 kDa

PROPERTIES

AA Sequence	<p>A Q S R A T R A R T E L L N V C M D A K H H K E K P G P E D K L H D Q C S P W K</p> <p>T N A C C S T N T S Q E D T K D I S Y L Y R F N W N H C G T M T P E C K R H F I</p> <p>Q D T C L Y E C S P N L G P W I Q Q V D Q S W R K E R I L D V P L C K E D C V L</p> <p>W W E D C K S S F T C K S N W L K G W N W T S G H N E C P V G A S C H P F T F Y</p> <p>F P T P A V L C E K I W S H S Y K L S N Y S R G S G R C I Q M W F D P A Q G N P</p> <p>N E E V A R F Y A E V M</p>
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
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. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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	<p>FOLR1 Protein is a member of the folate receptor family. Folate receptors are cell surface proteins that bind and transport folate (vitamin B9) into cells. FOLR1 is widely expressed in various tissues, including the placenta, kidney, lung, and intestine. It plays a crucial role in folate metabolism by mediating the cellular uptake of folate. FOLR1 is particularly important during pregnancy, as it facilitates the transport of folate across the placenta to support fetal development. In addition to its role in folate transport, FOLR1 has been implicated in other cellular processes, including cell adhesion, migration, and signaling. It is also being investigated as a potential target for cancer therapy, as FOLR1 expression is</p>
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frequently upregulated in several types of cancer cells, making it a promising candidate for targeted drug delivery.

Caution: Product has not been fully validated for medical applications. For research use only.

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