

Active Recombinant Human Folate Receptor 3 (Gamma), His-tagged

Cat. No. FOLR3-557H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FOLR3 protein was expressed in Murine myeloma cell line with a C-terminal 6-His tag. Ala22-Ser245 & Ser26-Ser245.
Species	Human
Source	Mammalian Cells
Protein Length	22-245; 26-245 a.a.
Description	Folate receptor 3 (FOLR3), also known as folate receptor γ , is a 32 kDa protein that binds folic acid and reduced folates. Dietary folates are required for many key metabolic processes including nucleotide and methionine synthesis, the interconversion of glycine and serine, and histidine breakdown. Mature FOLR3 is a glycosylated protein that contains an imperfect carboxy terminal GPI anchor sequence. A fraction of FOLR3 is GPI linked to the cell surface, but the majority is released as a secreted protein. Mature human FOLR3 shares 74% and 83% amino acid (aa) sequence identity with FOLR1 and FOLR2, respectively.
Form	Lyophilized from a 0.2 μ m filtered solution in PBS.
N-terminal Sequence	Ala22 & Ser26
Molecular Weight	26 kDa

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Activity	Measured by its binding ability in a functional ELISA. When Folic Acid-Bovine Serum Albumin is coated at 5 µg/mL (100 µL/ well), the concentration of rhFOLR3 that produces 50% of the optimal binding response is found to be approximately 0.2-1 nM.
Endotoxin Level	<1.0 EU per 1 µg of the protein by the LAL method.
SDS-PAGE	30-40kDa, reducing conditions
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	Reconstitute at 100 µg/mL in PBS
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 3 months, -20 to -70°C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	FOLR3 folate receptor 3 (gamma)[Homo sapiens]
Official Symbol	FOLR3
Synonyms	FOLR3; folate receptor 3 (gamma); FR-G; FR-gamma; gamma-hFR; folate receptor gamma; Folate receptor 3; OTTHUMP00000237135
Gene ID	2352
mRNA Refseq	NM_000804
Protein Refseq	NP_000795

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MIM	602469
UniProt ID	P41439
Chromosome Location	11q13
Function	folic acid binding;receptor activity

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