

Product datasheet for **TP728019**

Folate Binding Protein (FOLR1) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Biotinylated Human FOLR1 (C-6His-Avi)
Species:	Human
Expression cDNA Clone or AA Sequence:	Arg25-Ser234
Tag:	C-6His-Avi
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Biotinylated Recombinant Human Folate Receptor Alpha is produced by our Mammalian expression system and the target gene encoding Arg25-Ser234 is expressed with a 6His, Avi tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	2348
UniProt ID:	P15328
Synonyms:	Folate receptor alpha;FR-alpha;Adult folate-binding protein;FBP;Folate receptor 1;Folate receptor;Ovarian tumor-associated antigen MOV18;FOLR1
Summary:	Folate receptor alpha(FOLR) belongs to the folate receptor family, and is primarily expressed in tissues of epithelial origin. It is also expressed in kidney, lung and cerebellum. The secreted form is derived from the membrane-bound form either by cleavage of the GPI anchor, or/and by proteolysis catalyzed by a metalloprotease. 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. It is required for normal embryonic development and normal cell proliferation.
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane



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