Active Recombinant Human FOLR2 Protein, His-tagged

Cat. No. FOLR2-005H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human FOLR2, fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.
Species	Human
Source	HEK293
ProteinLength	22-230 aa
Description	The protein encoded by this gene is a member of the folate receptor (FOLR) family, and these genes exist in a cluster on chromosome 11. Members of this gene family have a high affinity for folic acid and for several reduced folic acid derivatives, and they mediate delivery of 5-methyltetrahydrofolate to the interior of cells. This protein has a 68% and 79% sequence homology with the FOLR1 and FOLR3 proteins, respectively. Although this protein was originally thought to be specific to placenta, it can also exist in other tissues, and it may play a role in the transport of methotrexate in synovial macrophages in rheumatoid arthritis patients. Multiple transcript variants that encode the same protein have been found for this gene.
Form	Liquid
Bio-activity	Measured by its binding ability in a functional ELISA with Folic Acid-BSA. The ED50 range ≤ 5 μg/mL.
Molecular Mass	25.1 kDa

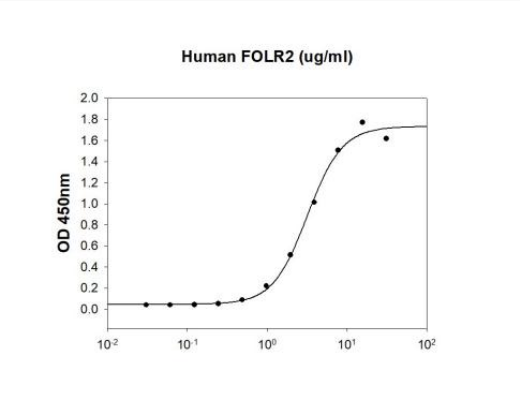
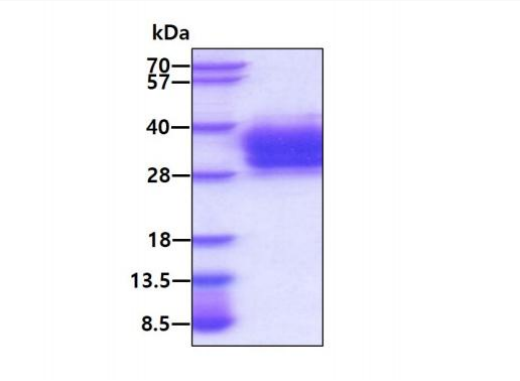
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AA Sequence	QDRTDLLNVCMDAKHHKTKPGPEDKLHDQCSPWKKNACCTASTSQELHKDTSRLY NFNWDHCGKMEPACKRHFIQDTCLYECSPNLGPWIQQVNQSWRKERFLDVPLCKE DCQRWWEDCHTSHTCKSNWHRGWDWTSGVNKCPAGALCRTFESYFPTPAALCE GLWSHSYKVSNYSRGSGRCIQMWFDSAQGNPNEEVARFYAAAMHVN
Endotoxin	< 1 EU/μg of protein (determined by LAL method)
Purity	> 90% by SDS-PAGE
Applications	SDS-PAGE, Bioactivity
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -84 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/mL (determined by absorbance at 280nm)
Storage Buffer	Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

GENE INFORMATION

Gene Name	FOLR2 folate receptor beta [Homo sapiens (human)]
Official Symbol	FOLR2
Synonyms	FOLR2; folate receptor beta; FBP; FOLR1; FR-P3; FRbeta; FR-BETA; BETA-HFR; FBP/PL-1; folate receptor beta; folate receptor 2 (fetal); folate receptor alpha; folate receptor, fetal/placental; folate-binding protein, fetal/placental; placental folate-binding protein
Gene ID	2350

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mRNA Refseq	NM_000803
Protein Refseq	NP_000794.3
MIM	136425
UniProt ID	P14207
Biological Activity	 Folic Acid-BSA is coated at 10 μg/mL (100 μL/well) can bind Human FOLR2. The ED50 range ≤ 5 μg/mL.
SDS-PAGE	

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	3 μg by SDS-PAGE under reducing condition and visualized by coomassie blue stain

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