

FOLR2 active protein

Recombinant human FOLR2 protein

CATALOG # AAA48385	HOST HEK293	APPLICATIONS SDS-Page
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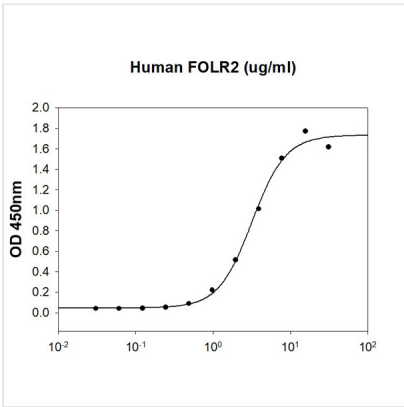
PRODUCT SYNONYMS

FOLR2; Recombinant human FOLR2 protein; Folate receptor beta; FR-beta; Folate receptor 2; Folate receptor; fetal/placental; Placental folate-binding protein; FBP; FBP Protein; BETA-HFR Protein; FBP/PL-1 Protein; FR-BETA Protein; FR-P3 Protein; FRbeta; FR-BETA; FBP/PL-1; BETA-HFR; FOLR2 active protein

PRODUCT SPECIFICATIONS

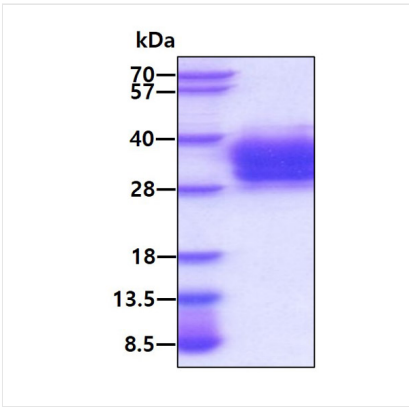
Host	HEK293
Purity/Purification	>90% by SDS-PAGE
Form/Format	Liquid. In Phosphate-Buffered Saline (pH7.4) containing 10% glycerol
Concentration	0.25mg/ml (determined by absorbance at 280nm) (varies by lot)
Sequence Positions	22-230aa
Sequence	QDRTDLLNVC MDAKHHKTKP GPEDKLHDQC SPWKKNACCT ASTSQELHKD TSRLYNFNWD HCGKMEPACK RHFIQDTCLY ECSPNLGPWI QQVNQSWRKE RFLDVPLCKE DCQRWWEDCH TSHTCKSNWH RGWDWTSGVN KCPAGALCRT FESYFPTPAA LCEGLWSHSY KVSNYSRGS GRCIQMWFD SAQGNPNEEVAR FYAAAMHVN< HHHHHH>
Applicable Applications for FOLR2 active protein	Bioactivity, SDS-PAGE
Endotoxin	<1 EU per 1ug of protein (determined by LAL method)
Species	Human
Tag	His-Tag
Predicted N-term	Gln 22
Bioactivity	Measured by its binding ability in a functional ELISA with Folic Acid-BSA. The ED50 range <= 5ug/ml.
Preparation and Storage	Can be stored at +2C to +8 degree C for 1 week. For long term storage, aliquot and store at -20C to -80 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



Bioactivity

Folic Acid-BSA is coated at 10ug/ml (100 ul/well) can bind Human FOLR2. The ED50 range



SDS-PAGE

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

ADDITIONAL INFORMATION

Related Product Information for FOLR2 active protein	FOLR2, also known as Folate receptor beta, is a member of the folate receptor (FLOR) family. Members of this gene family have a high affinity for folate and folic acid analogs at neutral pH. And they mediate delivery of 5-methyltetrahydrofolate to the interior of cells. It was originally thought to exist only in placenta, but is also expressed in placenta, cells of the neutrophilic lineage, and some CD34+ hematopoietic progenitor cells. FOLR2 is also upregulated on macrophages and monocytes at chronic inflammatory sites including rheumatoid arthritis synovium and glioblastoma. Recombinant human FOLR2, fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.
Product Categories/Family for FOLR2 active protein	Signal Transduction ; Metabolism ; Proteins
References	Ross, J.F. et al.,1994, Cancer 73:2432. Joost W van der Heijden J.W. et al., 2009, Arthritis Rheum. 60:12-21.

NCBI AND UNIPROT INFORMATION

NCBI GI #	166064050
NCBI GeneID	2350
NCBI Accession #	NP_000794.3
NCBI GenBank Nucleotide #	NM_000803.4
UniProt Accession #	P14207 ; Q05CA5 ; Q6GTE8
Molecular Weight	29,280 Da
NCBI Official Full Name	folate receptor beta
NCBI Official Synonym Full Names	folate receptor beta
NCBI Official Symbol	FOLR2
NCBI Official Synonym Symbols	FBP; FR-P3; FR-BETA; BETA-HFR; FBP/PL-1
NCBI Protein Information	folate receptor beta
UniProt Protein Name	Folate receptor beta
UniProt Gene Name	FOLR2
UniProt Synonym Gene Names	FR-beta; FBP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hek293-active-protein/folr2/48385>