FOLR1 Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	FOLR1, Recombinant Protein
Full Product Name	Recombinant Mouse FOLR1
Product Gene Name	FOLR1 recombinant protein
Product Synonym Names	Adult folate-binding protein; FBP; folate binding protein; folate receptor 1 (adult); Folate receptor 1; folate receptor alpha; Folate receptor; adult; Folbp1; FOLR; FOLR1; FR-alpha; KB cells FBP; MOv18
Sequence	Thr25-Ser2 32
Host	Mammalian Cells
Form/Format	Lyophilized from a 0.2um filtered solution of PBS, pH7.4
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Preparation and Storage	The lyophilized protein is stable at -20 degree C for up to 1 year. After reconstitution, the protein solution is stable at -20 to -80 degree C for 3 months or 1 week at 2 to 8 degree C under sterile conditions. For extended storage, it is recommended to further dilute in working aliquots, avoid repeated freeze/thaw cycle.
Molecular Weight	29,449 Da
3D Structure	ModBase 3D Structure for P35846
Species	Mouse
Endotoxin	< 1 EU/ug as determined by LAL test.
Tag	C-terminal His Tag
Reconstitution	Centrifuge the vial at 10000rpm for 30s before opening, reconstitute in sterile distilled water to a concentration of 0.1-1mg/ml by gently pipetting 2-3 times, don't vortex.
Product Categories/Family for FOLR1 recombinant protein	cytokines
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for FOLR1 recombinant protein	Western Blot (WB), ELISA (EIA)
Related Product Information for FOLR1 recombinant protein	MBS7621925 is a recombinant protein targeting FOLR1. Also known as Recombinant Mouse FOLR1. Host: Mammalian Cells.
Other Notes	Small volumes of FOLR1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FOLR1. It may not necessarily be applicable to this product.

NCBI GI #	565683203
NCBI GeneID	14275
NCBI Accession #	P35846.2
UniProt Primary Accession #	P35846

UniProt Secondary Accession #	Q9R222
UniProt Related Accession #	P35846
NCBI Official Full Name	Folate receptor alpha
NCBI Official Synonym Full Names	folate receptor 1 (adult)
NCBI Official Symbol	Folr1
NCBI Official Synonym Symbols	FBP1; Folbp1; Folbp-1
UniProt Protein Name	Folate receptor alpha
UniProt Synonym Protein Names	Folate receptor 1; Folate-binding protein 1
Protein Family	Folate receptor
UniProt Gene Name	Folr1
UniProt Synonym Gene Names	Fbp1; Folbp1; FR-alpha
UniProt Entry Name	FOLR1_MOUSE
NCBI Protein Information	folate receptor alpha; FR-alpha; folate binding protein 1; folate-binding protein 1
UniProt Comments for FOLR1	FOLR1: Binds to folate and reduced folic acid derivatives and mediates delivery of 5-methyltetrahydrofolate to the interior of cells. Defects in FOLR1 are the cause of neurodegeneration due to cerebral folate transport deficiency (NCFTD). NCFTD is an autosomal recessive disorder resulting from brain- specific folate deficiency early in life. Onset is apparent in late infancy with severe developmental regression, movement disturbances, epilepsy, and leukodystrophy. Recognition and diagnosis of this disorder is critical because folinic acid therapy can reverse the clinical symptoms and improve brain abnormalities and function. Belongs to the folate receptor family. Protein type: Membrane protein, GPI anchor Cellular Component: anchored to external side of plasma membrane; anchored to plasma membrane; cell surface; membrane; cell; brush border membrane; extracellular region; plasma membrane; intracellular; cytoplasmic vesicle; brush border; endosome Molecular Function: folic acid transporter activity; receptor activity; folic acid binding Biological Process: transport; folic acid metabolic process; posttranslational protein targeting to membrane; folic acid transport
Research Articles on FOLR1	**1.** Quantitative RT-PCR showed that Slc19a1 mRNA was expressed in mouse cumulus-oocyte complexes (COCs) and oocytes, whereas Folr1 showed expression only in preimplantation embryos, increasing from the 2-cell stage onward.
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