Datasheet for ABIN7320227

FOLR1 Protein (AA 1-231) (His tag)

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1 Image

Overview

Quantity:	100 µg
Target:	FOLR1
Protein Characteristics:	AA 1-231
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FOLR1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse FOLR1 Protein (aa 1-231, His Tag)
Sequence:	Met 1-Met 231
Characteristics:	A DNA sequence encoding the mouse FOLR1 (NP_032060.2) (Met 1-Met 231) without the pro peptide was expressed, with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

Target Details

Target:	FOLR1
Alternative Name:	FOLR1 (FOLR1 Products)
Background:	Background: The protein encoded by FOLR1 gene is a member of the folate receptor family.

Target Details

	Members of this gene family bind folic acid and its reduced derivatives, and transport 5-methyltetrahydrofolate into cells. This gene product is a secreted protein that either anchors to membranes via a glycosyl-phosphatidylinositol linkage or exists in a soluble form. Mutations in this gene have been associated with neurodegeneration due to cerebral folate transport deficiency. Due to the presence of two promoters, multiple transcription start sites, and alternative splicing, multiple transcript variants encoding the same protein have been found for this gene. Folate receptor α (FRα) is the most important subunit of Folate receptor and the alpha isoform has been shown to be selectively overexpressed in cancer types like breast and ovarian cancer compared to normal breast and ovarian epithelial cells. It was determined that Folate receptor α exhibits a limited expression on the apical surfaces of the epithelial cells of normal lung, breast, thyroid, parathyroid, and kidney tissues. For their uptake of folate, normal cells rely almost exclusively on the reduced folate carrier, whereas many carcinomas and myeloid leukemia cells overexpress a high-affinity FR on their surfaces, perhaps reflecting their increased need for folate to support rapid cell divisionImmune Checkpoint Immunotherapy Cancer Immunotherapy Targeted Therapy Synonym: 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; Ovarian tumor-associated antigen MOv18;FBP1;Folbp-1
Molecular Weight:	25.6 kDa
NCBI Accession:	NP_032060
Pathways:	Dicarboxylic Acid Transport

Application Details

Restrictions:	For Research Use only

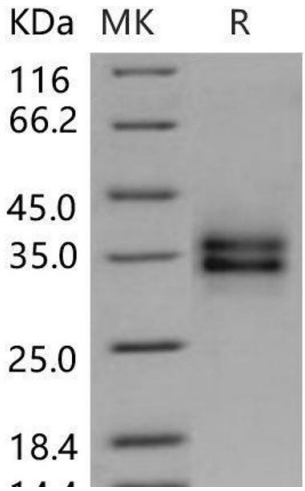
Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted

Handling

samples are stable at < -20°C for 3 months.

Images



Western Blotting
Image 1.