

Recombinant mouse Folate hydrolase 1/FOLH1 protein

Catalog Number: ATGP3357

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

45-752aa

UniProt No.

O35409

NCBI Accession No.

NP_058050

Alternative Names

Pteroylpoly-gamma-glutamate carboxypeptidase, Prostate-specific membrane antigen homolog, N-acetylated-alpha-linked acidic dipeptidase I, NAALADase I, Naalad1, Mopsm, mGCP, Membrane glutamate carboxypeptidase, Glutamate carboxypeptidase II, Glutamate carboxypeptidase 2, GCPII, Folylpoly-gamma-glutamate carboxypeptidase, FGCP

PRODUCT SPECIFICATION

Molecular Weight

80.5 kDa (717aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 85% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Folh1, as known as glutamate carboxypeptidase 2, is a single pass type 2 membrane protein which belongs to

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the peptidase M28 family and M28B subfamily. This protein is most highly expressed in prostate epithelium. It is detected in urinary bladder, kidney, testis, ovary, liver, stomach, small intestine colon, and the capillary endothelium of a variety of tumors. Thus, it shows a promising role in directed imaging and therapy of recurrent of metastatic disease. Recombinant mouse Folh1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

ADPKPSNEAT GNVSHSGMKK EFLHELKAEN IKKFLYNFTR TPHLAGTQNN FELAKQIHDQ WKEFGLDLVE LSHYDVLLSY
 PNKTHPNYIS IINEDGNEIF KTSLSQPPP GYENISDVVP PYSAFSPQGT PEGDLVYVNY ARTEDFFKLE REMKISCSGK
 IVIARYGKVF RGNMVKNAQL AGAKGMILYS DPADYFVPAV KSYPDGWNLP GGGVQRGVNL NLNGAGDPLT PGYPANEHAY
 RHELTNAVGL PSIPVHPIGY DDAQKLEHM GGPAPPDSSW KGGLKVPYNV GPGFAGNFST QKVKMHHSY TKVTRIYNVI
 GTLKGALPD RYVILGGHRD AWWVFGGIDPQ SGAAVVHEIV RSFGTLKKKG RRPRRTILFA SWDAEEFGLL GSTEWAEHS
 RLLQERGVAY INADSSIEGN YTLRVDCTPL MYSLVYNLTK ELQSPDEGFE GKSLYDSWKE KSPSPEFIGM PRISKLGSN
 DFEVFFQRLG IASGRARYTK NWKTNKVSSY PLYHSVYETY ELVVKFYDPT FKYHLTVAQV RGAMVFEAN SIVLPFDCQS
 YAVALKKYAD TIYNISMKHP QEMKAYMISF DSLFSVNNF TDVASKFNQR LQELDKSNPI LLRIMNDQLM YLERAFIDPL
 GLPGRPFYRH IYAPSSHNK YAGESFPGIY DALFDISSKV NASKAWNEVK RQISIATFTV QAAAETLREV AHHHHHH

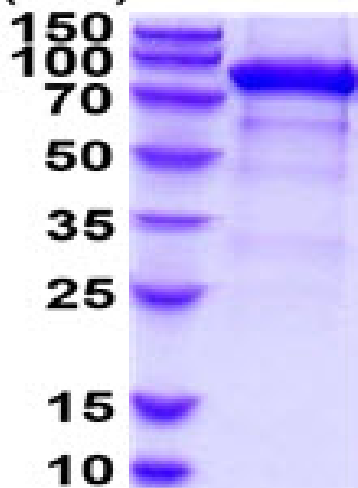
General References

Rahn KA., et al, (2012) Proc. Natl. Acad. Sci. U.S.A. 109:20101-20106.
 Schaevitz LR., et al, (2012) Dev Neurobiol 72:891-905.

DATA

SDS-PAGE

(kDa)



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

15% SDS-PAGE (3ug)