
Product Data Sheet

Product Name: FOLH1 Mouse

Cat. No.: GP21634

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9,Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Folh1; GCP2; mopsm; Glutamate carboxypeptidase 2; Folatehydrolase 1; Folylpoly-gamma-glutamate carboxypeptidase; FGCP; Glutamatecarboxypeptidase II; GCPII; Naalad1.		
Amino Acid Sequence	ADPKPSNEAT GNVSHSGMCK EFLHELKAEN IKKFLYNFTR TPHLAGTQNNFELAKQIHDQ WKEFGLDLVE LSHYDVLLSY PNKTHPNYIS IINEDGNEIF KTSLSEQPPP GYENISDVVPPYSAFSPQGT PEGDLVYVNY ARTEDFFKLE REMKISCSGK IVIARYGKVF RGNMVKNAQL AGAKGMILYSDPADYFVPAV KSYPDGWNLP GGGVQRGNVL NLNGAGDPLT PGYPANEHAY RHELTNAVGL PSIPVHPIGYDDAQKLEHM GGPAPPDSSW KGGLKVPYNV GPGFAGNFST QKVKMHIHSY TKVTRIYNVI GTLKGALEPDRYVILGGHRD AWVFGGIDPQ SGAADVHEIV RSFGTLKKKG RRPRRTILFA SWDAEEFGLL GSTEWAEHRSRLQERGVAY INADSSIEGN YTLRVDCTPL MYSLVYNLTK ELQSPDEGFE GKSLYDSWKE KSPSPEFIGMPRISKLGSGN DFEVFFQRLG IASGRARYTK NWKTNKVSSY PLYHSVYETY ELVVKFYDPT FKYHLTVAQVRGAMVFELAN SIVLPFDCQS YAVALKKYAD TIYNISMKHP QEMKAYMISF DSLFSAVNNFTDVASKFNQR LQELDKSNPI LLRIMNDQLM YLERAFIDPLGLPGRPFYRH IYAPSSHNK YAGESFPGIY DALFDISSKV NASKAWNEVK RQISIATFTV QAAAETLREV AHHHHHH.		
Formulation	The FOLH1 solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

Folate Hydrolase 1 (Folh1) is a single pass type 2 membrane protein which is expressed mainly in prostate epithelium. Folh1 which is a part of the peptidase M28 family and

Caution: Product has not been fully validated for medical applications. For research use only.

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M28B subfamily has both folate hydrolase and N-acetylated-alpha-linked-acidic dipeptidase activity. Folh1 can be found in urinary bladder, kidney, testis, ovary, stomach, small intestine colon, and the capillary endothelium of various tumors. Therefore, Folh1 plays a role in directed imaging and therapy of recurrent of metastatic disease.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

FOLH1 Mouse Recombinant produced in Sf9 Baculovirus cells is a single, non-glycosylated polypeptide chain containing 717 amino acids (45-752 a.a) and having a molecular mass of 80.5 kDa (Migrates at 70-100 kDa on SDS-PAGE under reducing conditions). FOLH1 is fused to a 6 amino acid His-tag at C-Terminus and purified by proprietary chromatographic techniques.

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