

**Folh1, 45-752aa, Mouse, His tag, Baculovirus****Cat.NO.: TP02143**

3th Edition

**Synonyms:** Glutamate carboxypeptidase 2 isoform 1, Folh1, GCP2, mopsm

**Description:** Folh1, as known as glutamate carboxypeptidase 2, is a single pass type 2 membrane protein which belongs to 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 or metastatic disease. Recombinant mouse Folh1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**Form:** Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**Molecular Weight:** 80.5kDa (717aa); 70-100kDa (SDS-PAGE under reducing conditions)

**Sequences:**

ADPKPSNEATGNVSHSGMKKEFLHELKAENIKKFLYNFTRTPHLAGTQNNFELAKQIHDQWKEFGLDLVELSHYDV  
LLSYPNKTHPNYISIINEDGNEIFKTSLEQPPPGYENISDVVPPYSAFSPQGTPEGDLVYVNYARTEDFFKLEREMKI  
SCSGKIVIARYGKVFRGNMVKNAQLAGAKGMILYSDPADYFVPAVKSYPDGWNLPGGGVQGRNVNLNAGADPLT  
PGYPANEHAYRHELTNAVGLPSIPVHPIGYDDAQKLEHMGGPAPPDSSWKGGGLKVPYNVGPFGAGNFSTQKVK  
MHIHSYTKVTRIYNVIGTLKGALEPDRYVILGGHRDAWVFGGIDPQSGAAVVHEIVRSFGTLKKKGRRPRRTILFASW  
DAEEFGLLGSTEWAEHSRLLQERGVAYINADSSIEGNYTLRVDCTPLMYSLVYNLTKEQLQSPDEGFEGKSLYDSW  
KEKSPSPEFIGMPRISKLGSGNDFEVFFQRLGIASGRARYTKNWKTNKVSSYPLYHSVYETYELVVKFYDPTFKYHL  
TVAQVRGAMVFELANSIVLPFDCQSYAVALKKYADTIYNISMKHPQEMKAYMISFDSLFSVNNFTDVASKFNQRLQ  
ELDKSNPILLRIMNDQLMYLERAFLDPLGLPGRPFYRHIIYAPSSHNKYAGESFPGIYDALFDISSKVNASKAWNEVKR  
QISIATFTVQAAAETLREVAHHHHHHH

**Purity:** > 95% by HPLC

**Concentration:** 0.5mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:** <1.0 EU per 1 µg of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.