

**Ephb4, 16-539aa, Mouse, His tag, Baculovirus**

**Cat.NO.: TP02032**

3th Edition

**Synonyms:**Ephrin type-B receptor 4 isoform b, Eph receptor B4, AI042935, Htk, MDK2, Myk1, Tyro11, Ephb4, EPHB4\_HUMAN, Ephrin receptor, EphB4, Ephrin type-B receptor 4, Hepatoma Transmembrane Kinase.

**Description:**Ephb4, also known as ephrin type-B receptor 4 isoform b, is a member of the Eph receptor tyrosine kinase family shown to act in neuronal guidance and mediate venal/arterial separation. Ephb4 provides survival advantage to squamous cell carcinoma of the head and neck. It has tumor suppressor activities and that regulation of cell proliferation, extracellular matrix remodeling, and invasive potential are important mechanisms of tumor suppression. Recombinant mouse Ephb4, 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:**58.7kDa (532aa), 50-70kDa (SDS-PAGE under reducing conditions)

**Sequences:**

LEETLLNTKLETADLKWVTYPQAEQWEELSGLDDEEQHSVRYEVCDMKRPGGQAHWLRGTGWVPRRGAVHVYA  
TIRFTMMECLSLPRASRCKETFTVFYEESEADTATAHTPAWMENPYIKVDTVAAEHLTRKRPGAEATGKVNKTLR  
LGPLSKAGFYLAHQDQGACMALLSLHLFYKKCSWLITNLTYFPETVPRELVVPVAGSCVANAVPTANPSPLYCRE  
DGQWAEQQVTGCSCAPGYEAAESNKVCRACGQGTGFKPQIGDESCLPCPANSNIGSPVCLCRIGYYRARS  
RSPCTTPPSAPRSVVHHLNGSTLRLEWSAPLES GGREDLTYAVRCRECRPGGSLPCGGDMTFDPGPRDLVEP  
WVAIRGLRPDVTYTFEVAALNGVSTLATGPPPFEPVNVTTDREVPPAVSDIRVTRSSPSSLILSWAIPRPSGAVLDY  
EVKYHEKGAEGPSSVRFLKTSENRAELRGLKRGASYLVQVRARSEAGYGPFQEHHSQTQLDESESWREQLAVE  
HHHHHH

**Purity:**> 95% by HPLC

**Concentration:**0.25mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:**<1.0 EU per 1 ug 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.