

**Epha4, 20-547aa, Mouse, His-tag, Baculovirus**

**Cat.NO.: TP02030**

3th Edition

**Synonyms:**Ephrin type-A receptor 4 , Epha4, 2900005c20Rik, AI385584, Cek8, Hek8, rb, Sek, Sek1, Tyro1.

**Description:**Epha4, as known as ephrin type-A receptor 4, is a single-pass type 1 membrane protein which belongs to the protein kinase superfamily and ephrin receptor subfamily. This protein may play a role in a signal transduction process involved in hindbrain pattern formation. The ephrins and ephrin receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, especially in the nervous system and in erythropoiesis. Recombinant mouse Epha4, 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:**59.3kDa (536aa), 50-70kDa (SDS-PAGE under reducing conditions)

**Sequences:**

VTGSRVYPANEVTLLDSRSVQGELGWIASPLEGGWEEVSIMDEKNTPIRTYQVCNVMEASQNNWLRTDWITREGA  
QRVYIEIKFTLRDCNSLPGVMGTCKETFNLYYYESDNDKERFIRESQFGKIDTIAADESFTQVDIGDRIMKLNTEIRDV  
GPLSKKGFYLAQDVGACIALVSVRVFYKKCPLTVRNLAQFPDTITGADTSSLVEVRGSCVNNSEEKDVPKMYCGA  
DGEWLVPIGNCLCNAGHEEQNGECQACKIGYYKALSTDASCAKCPPHSYSVWEGATSCTCDRGFFRADNDAASM  
PCTRPPSAPLNLSNVNETSVNLEWSSPQNTGGRQDISYNNVCKKCGAGDPSKCRPCGSGVHYTPQQNGLKTTRV  
SITDLLAHTNYTFEIVAVNGVSKYNPSPDQSVSVTVTTNQAAPSSIALVQAKEVTRYVALAWLEPDRPNGVILEYE  
VKYYEKDQNERSYRIVRTAARNTDIKGLNPLTSYVFHVRARTAAGYGDFSEPLEVTTNTVPSRIIGDGANSTLEHHH  
HHH

**Purity:**> 95% by HPLC

**Concentration:**0.5mg/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.