

## 32-8545: Recombinant Human Ephrin B Receptor 2/EphB2 (C-Fc)(Discontinued)

**Gene :** EPHB2

**Gene ID :** 2048

**Uniprot ID :** P29323

### Description

Source: Human Cells.

MW :78.5kD.

Recombinant Human Ephrin B receptor 2 is produced by our Mammalian expression system and the target gene encoding Val19-Ser482 is expressed with a Fc tag at the C-terminus. Ephrin type-B receptor 2(EPHB2) belongs to the protein kinase superfamily and Ephrin receptor subfamily. EPHB2 contains 1 Eph LBD domain, 2 fibronectin type-III domains, 1 protein kinase domain and 1 SAM domain. Ephrin receptors and their ligands, the ephrins, mediate numerous developmental processes, particularly in the nervous system. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. The Eph family of receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Ephrin receptors make up the largest subgroup of the receptor tyrosine kinase (RTK) family.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of PBS,pH7.4.

**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

**Amino Acid :** VEETLMDSTTATAELGWMVHPPSGWEEVSGYDENMNTIRTYQVCNVESSQNNWLRRTKFIRRRG  
AHRIHVEMKFSVRDCSSIPSPVPGSCKETFNLYYYEADFDSATKTFPNWMENPWVKVDITAADESFS  
QVDLGGRVMKINTEVRSFGPVSRSFGFYLAQDYGGCMSLIAVRVFYRKCPRIIQNGAIFQETLSGA  
ESTSLVAARGSCIANAEVDVPIKLYCNGDGEWLVPIGRCMCKAGFEAVENGTVCRGCPSGTFFKA  
NQGDEACTHCPINSRTTSEGATNCVCRNGYYRADLDPLDMPCTTIPSAPQAVISSVNETSLMLEWT  
PPRDSGGREDLVYNIICKSCGSGRGACTRCGDNVQYAPRQLGLTEPRIYISDLLAHTQYTFEIQAVN  
GVTDQSPFSPQFASVNITTNAAPSASVIMHQVSRTVDSITLSWSQPDQPNGVILDYELQYYEKMK  
TQRSVDDIEGRMDEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSH  
EDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIE  
KTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLD  
SDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGK

### Application Note

**Endotoxin :** Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.