

## Recombinant Mouse Eph Receptor B3

Cat. No. Ephb3-1728M Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Mouse
<b>Source</b>	Mammalian Cells
<b>Description</b>	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. The protein encoded by this gene is a receptor for ephrin-B family members.
<b>Molecular Weight</b>	The predicted molecular weight of Recombinant Mouse EphB3 is Mr 82.8 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 100 kDa.
<b>State Of Matter</b>	Lyophilized.
<b>Purity</b>	>95% by SDS Page and analyzed by silver stain.
<b>Endotoxin</b>	<0.1 ng per 1 g as determined by the LAL method.
<b>Storage And Stability</b>	This lyophilized protein is stable for six to twelve months when stored desiccated at -

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20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Ephb3 Eph receptor B3 [ Mus musculus ]</a>
<b>Synonyms</b>	Ephb3; Eph receptor B3; Etk2; HEK2; MDK5; Sek4; Cek10; Tyro6; AW456895; EC 2.7.10.1
<b>Gene ID</b>	<a href="#">13845</a>
<b>mRNA Refseq</b>	<a href="#">NM_010143</a>
<b>Protein Refseq</b>	<a href="#">NP_034273</a>
<b>UniProt ID</b>	<a href="#">P54754</a>
<b>Chromosome Location</b>	16 B1-B4
<b>Pathway</b>	Axon guidance
<b>Function</b>	ATP binding; axon guidance receptor activity; ephrin receptor activity; kinase activity; nucleotide binding; protein binding; protein kinase activity; protein tyrosine kinase activity; receptor activity; transferase activity; transmembrane receptor protein tyrosine kinase activity; transmembrane-ephrin receptor activity

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