

## Product datasheet for **AR50045PU-S**

### Ephrin-B2 (28-229, His-tag) Human Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Ephrin-B2 (28-229, His-tag) human recombinant protein, 0.1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MGSHMIVLEP IYWNSSNSKF LPGQGLVLYP QIGDKLDIIC PKVDSKTVGQ YEYKVMVD KDQADRCTIK KENTPLLNCA KPDQDIKFTI KFQEFSPNLW GLEFQKNKDY YIISTSNGSL EGLDNQEGGV CQTRAMKILM KVGQDASSAG STRNKDPTRR PELEAGTNGR SSTTSPFVKP NPGSSTDGNS AGHSGNNILG SEVALFA
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	24.9 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>85% by SDS - PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 2 mM DTT, 40% glycerol, 200 mM NaCl, 1 mM EDTA
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human EFNB2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_004084</a>
<b>Locus ID:</b>	1948
<b>UniProt ID:</b>	<a href="#">P52799</a>
<b>Cytogenetics:</b>	13q33.3
<b>Synonyms:</b>	EPLG5; Htk-L; HTKL; LERK5



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**Summary:**

This gene encodes a member of the ephrin (EPH) family. The ephrins and EPH-related 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. 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. This gene encodes an EFNB class ephrin which binds to the EPHB4 and EPHA3 receptors. [provided by RefSeq, Jul 2008]

**Protein Families:**

Druggable Genome, Transmembrane

**Protein Pathways:**

Axon guidance

**Product images:**