

## Product datasheet for **AR50104PU-N**

### Ephrin-A1 (19-182, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Ephrin-A1 (19-182, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MDRHTVFWNS SNPKFRNEDY TIHVQLNDYV DIICPHYEDH SVADAAMEQY ILYLVEHEEY QLCQPQSKDQ VRWQCNRPSA KHGPEKLSEK FQRFTPFTLG KEFKEGHSYY YISKPIHQHE DRCLRLKVTV SGKITHSPQA HVNPQEKRLA ADDPEVRVLH SIGHS
Tag:	His-tag
Predicted MW:	21.6 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea
Preparation:	Liquid purified protein
Protein Description:	Recombinant human EFNA1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	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.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_004419</a>
Locus ID:	1942
UniProt ID:	<a href="#">P20827</a>
Cytogenetics:	1q22
Synonyms:	B61; ECKLG; EFL1; EPLG1; GMAN; LERK-1; LERK1; TNFAIP4



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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 EFNA class ephrin which binds to the EPHA2, EPHA4, EPHA5, EPHA6, and EPHA7 receptors. Two transcript variants that encode different isoforms were identified through sequence analysis. [provided by RefSeq, Jul 2008]

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Axon guidance

**Product images:**