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## Product Data Sheet

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Product Name: EFNA1 Human, HEK  
 Cat. No.: GP23365  
 Batch No.: 1

### Product Data

Purity	>98%	Source	HEK293 cells.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Ephrin-A1; EPLG1; TNFAIP4; LERK1; EFL1; ECKLG; EPH-related receptor tyrosine kinase ligand 1; Immediate early response protein B61; Tumor necrosis factor alpha-induced protein 4; TNF alpha-induced protein 4; ligand of eph-related kinase 1; tumor necrosis factor; alpha-induced protein 4.		
Amino Acid Sequence	DRHTVFWNSS NPKFRNEDYT IHVQLNDYVD IICPHYEDHS VADAAMEQYI LYLVEHEEYQ LCQPQSKDQV RWQCNRPSAK HGPEKLSEKF QRFTPFTLGG EFKEGHSYYY ISKPIHQHED RCLRLKVTVS GKITHSPQAH DNPQEKRLAA DDPEVRVLHS IGHS HHHHHH.		
Solubility	It is recommended to add 200µl deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. EFNA1 is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.		
Formulation	EFNA1 filtered (0.4 µm) and lyophilized from 0.5mg/ml in phosphate buffered saline, pH 7.5 containing 5 % (w/v) trehalose.		

### Introduction

EFNA1 belongs to the ephrin (EPH) family. The EPH subfamily is the biggest group of receptor protein kinases and they take part in vital nervous system function and development.

### Stability

Store lyophilized protein at -20°C . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after one week at 4°C .

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Background

EFNA1 Human Recombinant produced in HEK293 cells is a single, glycosylated polypeptide chain (a.a 19-182) containing 170 amino acids including a 6 a.a C-terminal His tag. The total molecular mass is 20.2kDa (calculated).

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