Product Data Sheet

Product Name:	EFNA3 Human, Sf9
Cat. No.:	GP26282
Batch No.:	1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Phycical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	Ephrin-A3, EFL2, Ehk1-L, EPLG3, LERK3, EPH-related receptor tyrosine kinase ligand 3.		
Amino Acid Sequence	ADPQGPGGAL GNRHAVYWNS SNQHLRREGY TVQVNVNDYL DIYCPHYNSS GVGPGAGPGPGGGAEQYVLY MVSRNGYRTC NASQGFKRWE CNRPHAPHSP IKFSEKFQRY SAFSLGYEFHAGHEYYYIST PTHNLHWKCL RMKVFVCCAS TSHSGEKPVP TLPQFTMGPN VKINVLEDFEGENPQVPKLE KSISGLEPKS CDKTHTCPPC PAPELLGGPS VFLFPPKPKD TLMISRTPEVTCVVVDVSHE DPEVKFNWYV DGVEVHNAKT KPREEQYNST YRVVSVLTVL HQDWLNGKEYKCKVSNKALP APIEKTISKA KGQPREPQVY TLPPSRDELT KNQVSLTCLV KGFYPSDIAVEWESNGQPEN NYKTTPPVLD SDGSFFLYSK LTVDKSRWQQ GNVFSCSVMH EALHNHYTQK SLSLSPGKHHHHHH		
Formulation	The Fractalkine solution (0.5 mg/ml) contains 10% Glycerol and Phosphate Buffered Saline (pH 7.4).		

Introduction

EFNA3 belongs to the ephrin (EPH) family. The ephrins and EPH-related receptors include thelargest subfamily of receptor protein-tyrosine kinases which have been implicated in mediating developmental events,especially in the nervous system and in erythropoiesis. Ephrins are divided into the ephrin-A (EFNA) class and the ephrin-B (EFNB) class, based on their structures and sequence relationships. The Ephrins from the EFNA class are anchored to the membrane by aglycosylphosphatidylinositol linkage, while the others from the EFNB class are transmembrane proteins.

Stability

Store at 4ϭyC if entire vial will be used within 2-4 weeks. Store, frozen at -20ϭyC for

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longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Background

EFNA3 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 434 amino acids (23-214aa) and having a molecular mass of 48.7kDaEFNA3 is fused to a 242 amino acid hIgG-His-Tag at C-terminus and purified by proprietary chromatographic techniques.