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## Product Data Sheet

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Product Name: EFNA5 Human

Cat. No.: GP23369

Batch No.: 1

**Product Data**

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	EFNA5; AF1; EFL5; EPLG7; GLC1M; LERK7; RAGS; Ephrin-A5; AL-1; EPH-related receptor tyrosine kinase ligand 7.		
Amino Acid Sequence	<p>QDPGSKAVADRYAVYWSSN PRFQRGDYHI DVCINDYLDV FCPHYEDSVP  EDKTERYVLY MVNFDGYSAC DHTSKGFKRWEENRPHSPNG PLKFSEKFQL  FTPFSLGFEF RPGREYFYIS SAIPDNGRRS CLKLKVFRP  TNSCMKTIGVHDRVFDVNDK VENSLEPADD TVHESAEPSR GENLEPKSCD  KTHTCPPCPA PELLGGPSVF LFPPKPKDTLMISRTPEVTC VVVDVSHEDP  EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ  DWLNGKEYKCKVSNKALPAP IEKTISKAKG QPREPQVYTL PPSRDELTKN  QVSLTCLVKG FYPSDIAVEW ESNGQPENNYKTTTPVLDSG GSFFLYSKLT  VDKSRWQQGN VFSCSVMHEA LHNHYTQKSL SLSPGKHHHH HH.</p>		
Formulation	EFNA5 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

**Introduction**

Ephrin A5 (EFNA5) is a part of the ephrin ligand family which binds the members of ephrin receptor subfamily of tyrosine kinases and stimulates contact-dependent bidirectional signaling into neighboring cells. EFNA5 is mainly expressed in human adult brain, heart, spleen, and ovary and human fetal brain, lung, and kidney.

**Stability**

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

**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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EFNA5 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 422 amino acids (21-203 a.a.) and having a molecular mass of 48.1kDa. (Migrates at 40-57kDa on SDS-PAGE under reducing conditions). EFNA5 is expressed with a 239 amino acid hIgG-His-tag at C-Terminus and purified by proprietary chromatographic techniques.

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