

Product datasheet for PH313728

Ephrin A2 (EFNA2) (NM_001405) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	EFNA2 MS Standard C13 and N15-labeled recombinant protein (NP_001396)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213728
Predicted MW:	23.88 kDa
Protein Sequence:	>RC213728 representing NM_001405 Red=Cloning site Green=Tags(s) MAPAQRPLLPLLLLLPLPPPFARAEDAARANSNDRYAVYWNRSNPRFHAGAGDDGGGYTVEVSINDYLD IYCPHYGAPLPPAERMEHYVLYMVNNEGASCDHRQRFKRWECNRPAAPGGPLKFSEKQLFTPFSLGF EFRPGHEYYYISATPPNAVDRPCLRLKVVYRPTNETLYEAPEPIFTSNNSCSPGGCRLFLSTIPVLWTL LGS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001396
RefSeq Size:	642
RefSeq ORF:	639
Synonyms:	ELF-1; EPLG6; HEK7-L; LERK-6; LERK6
Locus ID:	1943
UniProt ID:	O43921



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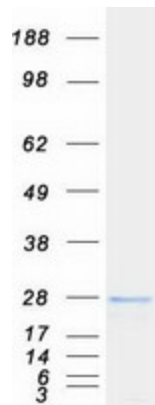
Cytogenetics: 19p13.3

Summary: This gene encodes a member of the ephrin family. The protein is composed of a signal sequence, a receptor-binding region, a spacer region, and a hydrophobic region. The EPH and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, particularly in the nervous system. 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. Posttranslational modifications determine whether this protein localizes to the nucleus or the cytoplasm. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Axon guidance

Product images:



Coomassie blue staining of purified EFNA2 protein (Cat# [TP313728]). The protein was produced from HEK293T cells transfected with EFNA2 cDNA clone (Cat# [RC213728]) using MegaTran 2.0 (Cat# [TT210002]).