Recombinant Human Ephrin-A2 (EFNA2)

Product Code	CSB-YP007461HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O43921
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	RAEDAA RANSDRYAVY WNRSNPRFHA GAGDDGGGYT VEVSINDYLD IYCPHYGAPL PPAERMEHYV LYMVNGEGHA SCDHRQRGFK RWECNRPAAP GGPLKFSEKF QLFTPFSLGF EFRPGHEYYY ISATPPNAVD RPCLRLKVYV RPTNETLYEA PEPIFTSN
Source	Yeast
Target Names	EFNA2
Protein Names	Recommended name: Ephrin-A2 Alternative name(s): EPH-related receptor tyrosine kinase ligand 6 Short name= LERK-6 HEK7 ligand Short name= HEK7-L
Expression Region	25-188
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life

of lyophilized form is 12 months at -20°C/-80°C.