



# Recombinant Human Ephrin-A2 (EFNA2)

<b>Product Code</b>	CSB-MP007461HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O43921
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	RAEDAA RANS DRYAVY WNR SNPRFHA GAGDDGGGYT VEVSINDYLD IYCPHYGAPL PPAERMEHYV LYMVNGEGHA SCDHRQRGFK RWE CNRPAAP GGPLKFSEKF QLFTPFS LGF EFRPGHEYYY ISATPPNAVD RPCLRLKVYV RPTNETLYEA PEPIFTSN
<b>Source</b>	Mammalian cell
<b>Target Names</b>	EFNA2
<b>Protein Names</b>	Recommended name: Ephrin-A2 Alternative name(s): EPH-related receptor tyrosine kinase ligand 6 Short name= LERK-6 HEK7 ligand Short name= HEK7-L
<b>Expression Region</b>	25-188
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.