

PRODUCT INFORMATION

Tag	C-Flag&Strep Tag
Target	GRIK4
Synonyms	EAA1, GRIK, GluK4, GluK4-2, KA1
Description	Human GRIK4-Strep full length protein-synthetic nanodisc
Delivery	6~8weeks
Uniprot ID	Q16099
Expression Host	HEK293
Protein Families	Ion Channels: Glutamate Receptors
Protein Pathways	N/A
Molecular Weight	The human full length GRIK4-Strep protein has a MW of 107.2 kDa
Formulation & Reconstitution	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.
Storage & Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	This gene encodes a protein that belongs to the glutamate-gated ionic channel family. Glutamate functions as the major excitatory neurotransmitter in the central nervous system through activation of ligand-gated ion channels and G protein-coupled membrane receptors. The protein encoded by this gene forms functional heteromeric kainate-preferring ionic channels with the subunits encoded by related gene family members. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2013]
Usage	Research use only
Conjugate	Unconjugated

