

PRODUCT INFORMATION

C-Flag Tag Tag **Target** GRIK3

Synonyms EAA5, GLR7, GLUR7, GluK3, GluR7a

Human GRIK3 full length protein-synthetic **Description**

nanodisc **Delivery** 6~8weeks **Uniprot ID** Q13003 **Expression Host HEK293**

Protein Families Ion Channels: Glutamate Receptors

Protein Pathways

Background

The human full length GRIK3 protein has a MW of **Molecular Weight**

104kDa 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 Formulation & Reconstitution 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. 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 Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

témperature.

Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. This gene product belongs to the kainate family of

glutamate receptors, which are composed of four

subunits and function as ligand-activated ion channels. It is not certain if the subunit encoded by this gene is subject to RNA editing as the other 2 family members (GRIK1 and GRIK2). A Ser310Ala polymorphism has been associated with schizophronia and there are conflicting with schizophrenia, and there are conflicting reports of its association with the pathogenesis of delirium tremens in alcoholics. [provided by

RefSeq, Jul 2008]

Usage Research use only Conjugate Unconjugated



