# Nanodisc Human GRIK1 Protein

**HDFP751**

## Product Information

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| **Product SKU**: | HDFP751 | **Expression Host**: | HEK293 | **Size**: | 10µg |
| **Target**: | GRIK1 | **Tag**: | C-Flag Tag | | |

## Additional Information

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| **Conjugate**: | Unconjugated | **Uniprot ID:** | P39086 |
| **Molecular Weight:** | The human full length GRIK1 protein has a MW of 104kDa | | |

## Protein Information

**Background**: 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. The subunit encoded by this gene is subject to RNA editing (CAG->CGG; Q->R) within the second transmembrane domain, which is thought to alter the properties of ion flow. Alternative splicing, resulting in transcript variants encoding different isoforms, has been noted for this gene. [provided by RefSeq, Jul 2008]

**Synonyms**: EAA3, EEA3, GLR5, GLUR5, GluK1, gluR-5

**Protein Description**: Human GRIK1 full length protein-synthetic nanodisc

**Formulation**: 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.

**Protein Pathways**: -

**Protein Families:** Ion Channels: Glutamate Receptors.

**Usage**: Research use only

**Contact Details | Dublin, Ireland**
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**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.

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