Proteoliposomes | Full-Length

GRIN1 (Human) Recombinant Protein

Catalog # H00002902-G01 Size 10 ug

Specification

Product Description	Human GRIN1 full-length ORF (AAI56098.1) recombinant protein without tag. This product is belong to Proteoliposome (PL).
Sequence	MSTMRLLTLALLFSCSVARAACDPKIVNIGAVLSTRKHEQMFREAVNQANKRHGSWKIQLNATSV THKPNAIQMALSVCEDLISSQVYAILVSHPPTPNDHFTPTPVSYTAGFYRIPVLGLTTRMSIYSDKSIH LSFLRTVPPYSHQSSVWFEMMRVYSWNHIILLVSDDHEGRAAQKRLETLLEERESKAEKVLQFDP GTKNVTALLMEAKELEARVIILSASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRYAPD GILGLQLINGKNESAHISDAVGVVAQAVHELLEKENITDPPRGCVGNTNIWKTGPLFKRVLMSSKYA DGVTGRVEFNEDGDRKFANYSIMNLQNRKLVQVGIYNGTHVIPNDRKIIWPGGETEKPRGYQMSTR LKIVTIHQEPFVYVKPTLSDGTCKEEFTVNGDPVKKVICTGPNDTSPGSPRHTVPQCCYGFCIDLLI KLARTMNFTYEVHLVADGKFGTQERVNNSNKKEWNGMMGELLSGQADMIVAPLTINNERAQYIEF SKPFKYQGLTILVKKEIPRSTLDSFMQPFQSTLWLLVGLSVHVVAVMLYLLDRFSPFGRFKVNSEE EEEDALTLSSAMWFSWGVLLNSGIGEGAPRSFSARILGMVWAGFAMIIVASYTANLAAFLVLDRP EERITGINDPRLRNPSDKFIYATVKQSSVDIYFRRQVELSTMYRHMEKHNYESAAEAIQAVRDNKLH AFIWDSAVLEFEASQKCDLVTTGELFFRSGFGIGMRKDSPWKQNVSLSILKSHENGFMEDLDKT WVRYQECDSRSNAPATLTFENMAGVFMLVAGGIVAGIFLIFIEIAYKRHKDARRKQMQLAFAAVNV WRKNLQDRKSGRAEPDPKKKATFRAITSTLASSFKRRRSSKDTSTGGGRGALQNQKDTVLPRRA IEREEGQLQLCSRHRES
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	103.2
Interspecies Antigen Sequence	Mouse (99); Rat (97)
Form	Liquid
Preparation Method	*in vitro* wheat germ expression system with proprietary liposome technology
Purification	None
Recommend Usage	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
Storage Buffer	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note	Best use within three months from the date of receipt of this protein.

Applications

- Antibody Production

Gene Info — GRIN1

Entrez GeneID	2902
GeneBank Accession#	BC156097.1
Protein Accession#	AAI56098.1
Gene Name	GRIN1
Gene Alias	NMDA1, NMDAR1, NR1
Gene Description	glutamate receptor, ionotropic, N-methyl D-aspartate 1
Omim ID	138249
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a critical subunit of N-methyl-D-aspartate receptors, member s of the glutamate receptor channel superfamily which are heteromeric protein complexes with mu ltiple subunits arranged to form a ligand-gated ion channel. These subunits play a key role in the pl asticity of synapses, which is believed to underlie memory and learning. Cell-specific factors are t hought to control expression of different isoforms, possibly contributing to the functional diversity o f the subunits. Alternatively spliced transcript variants have been described. [provided by RefSeq
Other Designations	N-methyl-D-aspartate receptor channel, subunit zeta-1|NMDA receptor 1|OTTHUMP0000002267 8|glutamate [NMDA] receptor subunit zeta 1

Pathway

- Amyotrophic lateral sclerosis (ALS)
- Calcium signaling pathway
- Long-term potentiation
- Neuroactive ligand-receptor interaction

Disease

- Alcohol Withdrawal Seizures
- Alcoholism
- Alcohol-Related Disorders
- Anorexia Nervosa
- Bipolar Disorder
- Body Weight
- Bulimia
- Cognition
- Disease Models
- Disease Susceptibility
- Genetic Predisposition to Disease
- Obesity
- Parkinson Disease
- Schizophrenia
- Schizophrenic Psychology
- Spasms
- Substance Withdrawal Syndrome
- Weight Gain
- Weight Loss