Recombinant Human GRID2 Protein, GST-tagged

Cat. No. GRID2-5335H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GRID2 partial ORF (NP_001501, 908 a.a. - 1007 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Human glutamate receptor delta-2 (GRID2) is a relatively new member of the family of ionotropic glutamate receptors which are the predominant excitatory neurotransmitter receptors in the mammalian brain. GRID2 is a predicted 1,007 amino acid protein that shares 97% identity with the mouse homolog which is expressed selectively in cerebellar Purkinje cells. A point mutation in mouse GRID2, associated with the phenotype named lurcher, in the heterozygous state leads to ataxia resulting from selective, cell-autonomous apoptosis of cerebellar Purkinje cells during postnatal development. Mice homozygous for this mutation die shortly after birth from massive loss of mid- and hindbrain neurons during late embryogenesis. This strongly suggests a role for GRID2 in neuronal apoptotic death. [provided by RefSeq
Molecular Mass	36.74 kDa
AA Sequence	DTLPTRQALEQISDFRNTHITTTTFIPEQIQTLSRTLSAKAASGFTFGNVPEHRTGPFR HRAPNGGFFRSPIKTMSSIPYQPTPTLGLNLGNDPDRGTSI
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

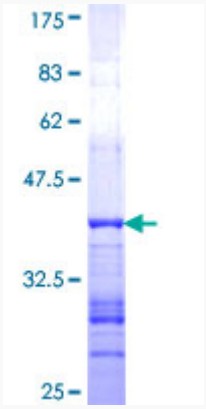
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	GRID2 glutamate receptor, ionotropic, delta 2 [Homo sapiens]
Official Symbol	GRID2
Synonyms	GRID2; glutamate receptor, ionotropic, delta 2; glutamate receptor delta-2 subunit; GluD2; GluR delta 2; GluR-delta-2; gluR delta-2 subunit; MGC117022; MGC117023; MGC117024;
Gene ID	2895
mRNA Refseq	NM_001510
Protein Refseq	NP_001501
MIM	602368
UniProt ID	O43424

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA