

## Recombinant Human GTF2B, GST-tagged

Cat. No. GTF2B-13590H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human GTF2B protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

**Species** Human

**Source** E.coli

**ProteinLength** 1-316a.a.

**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.

**Storage** The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

**Storage Buffer** 1M PBS (58mM Na<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

## GENE INFORMATION

<b>Gene Name</b>	GTF2B general transcription factor IIB [ Homo sapiens ]
<b>Official Symbol</b>	GTF2B
<b>Synonyms</b>	GTF2B; general transcription factor IIB; transcription initiation factor IIB; TFIIB; S300-II; general transcription factor TFIIB; RNA polymerase II transcription factor IIB; TF2B;
<b>Gene ID</b>	2959
<b>mRNA Refseq</b>	NM_001514
<b>Protein Refseq</b>	NP_001505
<b>MIM</b>	189963
<b>UniProt ID</b>	Q00403
<b>Chromosome Location</b>	1p22-p21
<b>Pathway</b>	Basal transcription factors, organism-specific biosystem; Basal transcription factors, conserved biosystem; Disease, organism-specific biosystem; Eukaryotic Transcription Initiation, organism-specific biosystem; Gene Expression, organism-specific biosystem; HIV Infection, organism-specific biosystem; HIV Life Cycle, organism-specific biosystem;
<b>Function</b>	DNA binding; metal ion binding; protein binding; thyroid hormone receptor binding; transcription factor binding; translation initiation factor activity; zinc ion binding;

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