

## Recombinant Human GTF2F1, GST-tagged

Cat. No. GTF2F1-13593H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human GTF2F1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

**Species** Human

**Source** E.coli

**ProteinLength** 10-215a.a.

**Description** N-methyl-D-aspartate (NMDA) receptors are a class of ionotropic glutamate receptors. NMDA receptor channel has been shown to be involved in long-term potentiation, an activity-dependent increase in the efficiency of synaptic transmission thought to underlie certain kinds of memory and learning. NMDA receptor channels are heteromers composed of three different subunits: NR1 (GRIN1), NR2 (GRIN2A, GRIN2B, GRIN2C, or GRIN2D) and NR3 (GRIN3A or GRIN3B). The NR2 subunit acts as the agonist binding site for glutamate. This receptor is the predominant excitatory neurotransmitter receptor in the mammalian brain.

**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.

### GENE INFORMATION

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<b>Gene Name</b>	GTF2F1 general transcription factor IIF, polypeptide 1, 74kDa [ Homo sapiens ]
<b>Official Symbol</b>	GTF2F1
<b>Synonyms</b>	GTF2F1; general transcription factor IIF, polypeptide 1, 74kDa; general transcription factor IIF, polypeptide 1 (74kD subunit); general transcription factor IIF subunit 1; BTF4; RAP74; TF2F1; TFIIF; TFIIF-alpha; transcription initiation factor RAP74; general transcription factor IIF 74 kDa subunit; transcription initiation factor IIF subunit alpha;
<b>Gene ID</b>	2962
<b>mRNA Refseq</b>	NM_002096
<b>Protein Refseq</b>	NP_002087
<b>MIM</b>	189968
<b>UniProt ID</b>	P35269
<b>Chromosome Location</b>	19p13.3
<b>Pathway</b>	Abortive elongation of HIV-1 transcript in the absence of Tat, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Basal transcription factors, organism-specific biosystem; Basal transcription factors, conserved biosystem; Disease, organism-specific biosystem; Formation of HIV-1 elongation complex containing HIV-1 Tat, organism-specific biosystem; Formation of HIV-1 elongation complex in the absence of HIV-1 Tat, organism-specific biosystem;
<b>Function</b>	DNA binding; catalytic activity; phosphatase activator activity; protein binding;

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transcription coactivator activity; transcription factor binding;

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