

Recombinant Human GTF2F2, His-tagged

Cat. No. GTF2F2-13594H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GTF2F2 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-249a.a.
Description	This gene encodes a subunit of the N-methyl-D-aspartate (NMDA) receptors, which belong to the superfamily of glutamate-regulated ion channels, and function in physiological and pathological processes in the central nervous system. This subunit shows greater than 90% identity to the corresponding subunit in rat. Studies in the knockout mouse deficient in this subunit suggest that this gene may be involved in the development of synaptic elements by modulating NMDA receptor activity.
Source	E.coli
Species	Human
Tag	His
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

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Storage Buffer

1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION
Gene Name

GTF2F2 general transcription factor IIF, polypeptide 2, 30kDa [Homo sapiens]

Official Symbol

GTF2F2

Synonyms

GTF2F2; general transcription factor IIF, polypeptide 2, 30kDa; general transcription factor IIF, polypeptide 1 (74kD subunit); general transcription factor IIF subunit 2; BTF4; RAP30; TFIIF; TFIIF-beta; ATP-dependent helicase GTF2F2; transcription initiation factor RAP30; general transcription factor IIF 30 kDa subunit; transcription initiation factor IIF subunit beta; TF2F2;

Gene ID

2963

mRNA Refseq

NM_004128

Protein Refseq

NP_004119

MIM

189969

UniProt ID

P13984

Chromosome Location

13q14

Pathway

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,

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conserved biosystem; Disease, organism-specific biosystem; Eukaryotic Transcription Initiation, organism-specific biosystem; Formation of HIV-1 elongation complex containing HIV-1 Tat, organism-specific biosystem;

Function

ATP binding; ATP-dependent helicase activity; DNA binding; helicase activity; hydrolase activity; nucleotide binding; protein binding;

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