

Recombinant Human GTF2I

Cat. No. GTF2I-29514TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human TFII I, amino acids 1-274 according to AAH04472, with N terminal proprietary tag; predicted MW: 55.88 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	274 amino acids
Description	This gene encodes a multifunctional phosphoprotein with roles in transcription and signal transduction. It is deleted in Williams-Beuren syndrome, a multisystem developmental disorder caused by the deletion of contiguous genes at chromosome 7q11.23. Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 7, 13 and 21.
Molecular Weight	55.880kDa inclusive of tags
Tissue specificity	Ubiquitous. Isoform 1 is strongly expressed in fetal brain, weakly in adult brain, muscle, and lymphoblasts and is almost undetectable in other adult tissues, while the other isoforms are equally expressed in all adult tissues.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MAQVAMSTLPVEDEESSESRMVVTFILMSALESMCKELAKS KAEVACIAVYETDVFV VGTERGRAFVNTRKDFQKDFVKYC VEEEEKAAEMHKMKSTTQANRMSVDAVEIET LRKTVEDYF CFCYGKALGKSTVVPVPYEKMLRDQSAVVVQGLPEGVAFK HPENYD LATLKWILENKAGVSFIKRPFLPKKHVGGGRVM VTDADRSILSPGGSCGPIKVKTEP TEDSGISLEMAAVTVK EESEDPDYYQYNIQGSHTSSEGNEGTEMEVPAEG
Sequence Similarities	Belongs to the TFII-I family.Contains 6 GTF2I-like repeats.
GENE INFORMATION	
Gene Name	GTF2I general transcription factor Ili [Homo sapiens]
Official Symbol	GTF2I
Synonyms	GTF2I; general transcription factor Ili; general transcription factor II, i , WBSCR6; general transcription factor II-I; BAP 135; BTKAP1; DIWS; IB291; SPIN; TFII I;
Gene ID	2969
mRNA Refseq	NM_001163636
Protein Refseq	NP_001157108
MIM	601679

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Uniprot ID	P78347
Chromosome Location	7q11.23
Pathway	B Cell Receptor Signaling Pathway, organism-specific biosystem; Basal transcription factors, organism-specific biosystem; Basal transcription factors, conserved biosystem; Herpes simplex infection, organism-specific biosystem; Herpes simplex infection, conserved biosystem;
Function	DNA binding; mitogen-activated protein kinase binding; protein binding; sequence-specific DNA binding transcription factor activity;

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