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Datasheet for ABIN1097625
GTF2B Protein (AA 1-316) (GST tag)

Overview

Quantity:	50 µg
Target:	GTF2B
Protein Characteristics:	AA 1-316
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GTF2B protein is labelled with GST tag.

Product Details

Purpose:	Recombinant Human Transcription Initiation Factor IIB/TFIIB/GTF2B (N-GST)
Sequence:	MSPILGYWKI KGLVQPTRLL LEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIQID KYLKSSKYIA WPLQGWQATF GGGDHPPKSD LVPRGSPEFH MASTSRLDAL PRVTCPNHPD AILVEDYRAG DMICPECGLV VGDRVIDVGS EWRTFSNDKA TKDPSRVGDS QNPLSDGDL STMIGKGTGA ASFDEFNGSK YQNRRTMSSS DRAMMNAFKE ITTMADRINL PRNIVDRNTN LFKQVYEQKS LKGRANDAIA SACLYIACRQ EGVPRTFKEI CAVSRISKKE IGRCFKLILK ALETSVDLIT TGDFMSRFCS NLCLPKQVQM AATHIARKAV ELDLVPGRSP ISVAAAAIYM ASQASAEKRT QKEIGDIAGV ADVTIRQSYR LIYPRAPDLF PTDFKFDTVPV DKLPQL
Characteristics:	Recombinant Human Transcription Initiation Factor IIB/TFIIB is produced by our E. coli expression system. The target protein is expressed with sequence (Met1-Leu316) of Human TFIIB fused with a GST tag at the N-terminus.

Product Details

Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	GTF2B
Alternative Name:	TF2B (GTF2B Products)
Sub Type:	Fusionprotein
Background:	<p>Transcription Initiation Factor IIB (TFIIB) is an essential factor for transcription by RNA Polymerase II. TFIIB localizes to the nucleus where it forms a complex (the DAB complex) with transcription factor IID and IIA. TFIIB plays a role as a bridge between IID, which initially recognizes the promoter sequence, and RNA polymerase II. TFIIB is involved in the selection of transcription start site.</p> <p>Alternative Names: Transcription Initiation Factor IIB, General Transcription Factor TFIIB, S300-II, GTF2B, TF2B, TFIIB</p>
Molecular Weight:	61.64 kDa
UniProt:	Q00403

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM TrisHCl, 100 mM NaCl, pH 8.0.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.

Handling

Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 3 months