

## Product datasheet

# Recombinant Human TCF3 / E2A protein ab114447

1 Image

### Description

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<b>Product name</b>	Recombinant Human TCF3 / E2A protein	
<b>Expression system</b>	Wheat germ	
<b>Accession</b>	<b><u>P15923</u></b>	
<b>Protein length</b>	Protein fragment	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	EREKERRVANNARERLRVRDINEAFKELGRMCQLHLNSE KPQTKLLILHQ AVSVILNLEQQVRERNLNPKAACLKRREEEEKVSGVVGDP QMVLSAPHPGL SEAHNPAGHM	
<b>Predicted molecular weight</b>	38 kDa including tags	
<b>Amino acids</b>	545 to 654	

### Specifications

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Our **Abpromise guarantee** covers the use of **ab114447** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	ELISA SDS-PAGE Western blot
<b>Form</b>	Liquid

### Preparation and Storage

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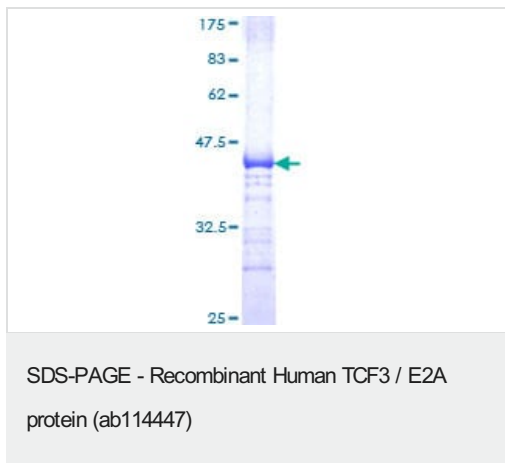
<b>Stability and Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
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### General Info

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<b>Function</b>	Heterodimers between TCF3 and tissue-specific basic helix-loop-helix (bHLH) proteins play major roles in determining tissue-specific cell fate during embryogenesis, like muscle or early B-cell differentiation. Dimers bind DNA on E-box motifs: 5'-CANNTG-3'. Binds to the kappa-E2 site in the kappa immunoglobulin gene enhancer.
<b>Involvement in disease</b>	Note=Chromosomal aberrations involving TCF3 are cause of forms of pre-B-cell acute lymphoblastic leukemia (B-ALL). Translocation t(1;19)(q23;p13.3) with PBX1; Translocation t(17;19)(q22;p13.3) with HLF. Inversion inv(19)(p13;q13) with TFPT.
<b>Sequence similarities</b>	Contains 1 basic helix-loop-helix (bHLH) domain.
<b>Domain</b>	the 9aaTAD motif is a transactivation domain present in a large number of yeast and animal transcription factors.
<b>Post-translational modifications</b>	Phosphorylated following NGF stimulation.
<b>Cellular localization</b>	Nucleus.

## Images



ab114447 analysed on a 12.5% SDS-PAGE gel stained with Coomassie Blue.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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