

TCF3 抗原（重组蛋白）

中文名称： TCF3 抗原（重组蛋白）

英文名称： TCF3 Antigen (Recombinant Protein)

别名： transcription factor 3; E2A; E47; p75; AGM8; ITF1; VDIR; TCF-3; bHLHb21

储存： 冷冻（-20℃）

相关类别： 抗原

概述

Fusion protein corresponding to a region derived from 450-654 amino acids of human TCF3

技术规格

Full name:	transcription factor 3
Synonyms:	E2A; E47; p75; AGM8; ITF1; VDIR; TCF-3; bHLHb21
Swissprot:	P15923
Gene Accession:	BC110580
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	This gene encodes a member of the E protein (class I) family of helix-loop-helix transcription factors. E proteins activate transcription by binding to regulatory E-box sequences on target genes as heterodimers or homodimers, and are inhibited by heterodimerization with inhibitor of DNA-binding (class IV) helix-loop-helix proteins. E proteins play a critical role in lymphopoiesis, and the encoded protein is required for B and T lymphocyte development.

Deletion of this gene or diminished activity of the encoded protein may play a role in lymphoid malignancies. This gene is also involved in several chromosomal translocations that are associated with lymphoid malignancies including pre-B-cell acute lymphoblastic leukemia (t(1;19), with PBX1), childhood leukemia (t(19;19), with TFPT) and acute leukemia (t(12;19), with ZNF384). Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the short arm of chromosome 9.