

Product datasheet for TP327647

TCF3 / E2A (TCF3) (NM_001136139) Human Recombinant Protein

Product data:

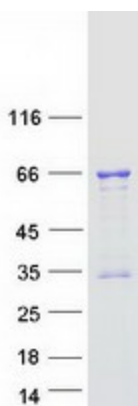
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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human transcription factor 3 (E2A immunoglobulin enhancer binding factors E12/E47) (TCF3), transcript variant 2, 20 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC227647 representing NM_001136139 Red =Cloning site Green =Tags(s) |
| | MNQPQRMAPVGTDKELSDLLDFSMFPLPVTNGKGRPASLAGAQFGGSGLED RPSSGSWGSGDQSSSSFD PSRTFSEGTHFTESHSSLSSTFLGPGLGGKSGERGAYASFRDAGVGGTLTQAGFLSGELALNSPGPLSP SGMKGTSQYYPSYSGSSRRRAADGSLDTQPKKVRKVPPGLPSSVYPPSSGEDYGRDATAYPSAKTPSSY PAPFYVADGSLHPSAELWSPPGQAGFGPMLGGGSSPLPLPPGSGPVGSSGSSTFGGLHQHERMGYQLHG AEVNGGLPSASSFSSAPGATYGGVSSHTPPVSGADSLGSRGTTAGSSGDALGKALASIYSPDHSSNNFS SSPSTPVGSPQGLAGTSQWPRAGAPGALSPSYDGGLHGLQSKIEDHLDEAIHVLRSHAVGTAGDMHTLLP GHGALASGFTGPMSLGGRHAGLVGGSHPEDGLAGSTSLMHNHAALPSQPGTLPDLRPPDSYGLGRAGA TAAASEIKREEKEDEENTSAADHSEEEKKELKAPRARTSSTDEVLSLEEKDLDRERRMANNARERVRVR DINEAFRELGRMCQMHLKSDKAQTKLLILQQAVQVILGLEQQVRERNLNPKAACLKRREEEKVSGVVGDP QMVLSAPHPGLSEAHNPAGHM |
| | TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| Tag: | C-Myc/DDK |
| Predicted MW: | 67.1 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |



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| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_001129611 |
| Locus ID: | 6929 |
| UniProt ID: | P15923 |
| Cytogenetics: | 19p13.3 |
| RefSeq ORF: | 1953 |
| Synonyms: | AGM8; bHLHb21; E2A; E47; ITF1; p75; TCF-3; VDIR |
| Summary: | 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. [provided by RefSeq, Sep 2011] |
| Protein Families: | Druggable Genome, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transcription Factors |

Product images:



Coomassie blue staining of purified TCF3 protein (Cat# TP327647). The protein was produced from HEK293T cells transfected with TCF3 cDNA clone (Cat# [RC227647]) using MegaTran 2.0 (Cat# [TT210002]).