

Product datasheet for **TP710034**

TFE3 (NM_006521) Human Recombinant Protein

Product data:

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|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human transcription factor binding to IGHM enhancer 3 (TFE3), with N-terminal polyhistidine tag, expressed in sf9 cells. |
| Species: | Human |
| Expression Host: | Sf9 |
| Expression cDNA Clone or AA Sequence: | A DNA sequence from TrueORF clone, RC206840, encoding human full-length TFE3 |
| Tag: | N-His |
| Predicted MW: | 62 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 50 mM Tris-HCl, pH 8.0, 150 mM NaCl, 10% glycerol |
| 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. |
| 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_006512 |
| Locus ID: | 7030 |
| UniProt ID: | P19532 , A0A024QZ23 |
| RefSeq Size: | 3467 |
| Cytogenetics: | Xp11.23 |
| RefSeq ORF: | 1725 |
| Synonyms: | bHLHe33; RCCP2; RCCX1; TFEA |



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Summary:

This gene encodes a basic helix-loop-helix domain-containing transcription factor that binds MUE3-type E-box sequences in the promoter of genes. The encoded protein promotes the expression of genes downstream of transforming growth factor beta (TGF-beta) signaling. This gene may be involved in chromosomal translocations in renal cell carcinomas and other cancers, resulting in the production of fusion proteins. Translocation partners include PRCC (papillary renal cell carcinoma), NONO (non-POU domain containing, octamer-binding), and ASPSCR1 (alveolar soft part sarcoma chromosome region, candidate 1), among other genes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]

Protein Families:

Druggable Genome, Transcription Factors

Product images: