

## Product datasheet for **TP516995**

### Tcf23 (NM\_053085) Mouse Recombinant Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Purified recombinant protein of Mouse transcription factor 23 (Tcf23), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug  |
| Species:                              | Mouse   |
| Expression Host:                      | HEK293T   |
| Expression cDNA Clone or AA Sequence: | >MR216995 representing NM_053085<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)<br><br>MSQEATEAPAMPGEGHGHNKAKARWLLGTDRKRSRINRTRQDLWEDTSWSNHRLSRATSAPRGTRARGTA<br>HGRSEASPENAARERTRVKT LRQAF LALQAALPAVPPDTKLSKLDV LVLATS YIAHLTRTLGH ELPGPAW<br>PPFVRGLR YLHPLKKWPMRSRLYAGGLGCS DLDSTTAIT TGQRCKDAELGSQDSVAAESLLTSPAFGNK<br><br><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b> |
| Tag:                                  | C-MYC/DDK   |
| Predicted MW:                         | 23.3 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  |
| 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 after receiving vials.   |
| 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:                               | <a href="#">NP_444315</a>   |
| Locus ID:                             | 69852   |
| UniProt ID:                           | <a href="#">Q9JLR5</a>  |
| RefSeq Size:                          | 4101  |
| Cytogenetics:                         | 5 B1  |



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RefSeq ORF: 627

Synonyms: 2010002O16Rik; bHLHa24; Out

**Summary:** Inhibits E-box-mediated binding and transactivation of bHLH factors. Inhibitory effect is similar to that of ID proteins. Inhibits the formation of TCF3 and MYOD1 homodimers and heterodimers. Lacks DNA binding activity. May be involved in the regulation or modulation of smooth muscle contraction of the uterus during pregnancy and particularly around the time of delivery. Seems to play a role in the inhibition of myogenesis.[UniProtKB/Swiss-Prot Function]