

## Product datasheet for TP508151

### Tcf4 (BC014293) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse transcription factor 4 (cDNA clone MGC:13998 IMAGE:4014231), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR208151 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MYCAYTIPGMGGNSLMYYYYNGKAVYAPSASTADYNRDSPGYPSSKPAASTFPSSFFMQDGHSSDPWSSSSGMNQPGYGGMLGNSSHIPQSSSYCSLHPHERLSYPSSHADINSSLPPMSTFHRSNTNHYSTSSCTPPANGTDSIMANRGTGAAGSSQTGDALGKALASIYSPDHTNNSFSSNPSTPVGSPPSLSAGTAVWSRNGGQASSPNYEGPLHSLQSRIEDRLERLDDAIHVLNRHAVGPSTAVPGGHGDMHGIMGPSHNGAMGSLGSGYGTSLLSANRHSLMVGAREHGVALRGSHSLLPNQVPVQQLPVQSATSPDLNPPQDPYRGMPPGLQGQSVSSGSSEIKSDDEGDENLQDTKSEDKKLDKDDKDIKSITSNNDDEDLTPEQKAEREKERRMANNARERLRVDRINEAFKELGRMVQLHLKSDKPQTKLLILHQAVAVILSLEQQVRERLNPKAACLKRREEEKVSSEPPPLSLAGPHPGMGDAANHMGQM

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	54.1 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
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.
Locus ID:	21413



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UniProt ID:	<a href="#">Q60722</a>
RefSeq Size:	1765
Cytogenetics:	18 E2
RefSeq ORF:	1521
Synonyms:	ME2, ITF-2, SEF-2, MITF-2A, MITF-2B, TFE, E2-2, E2.2, ITF2, SEF2, ASP-I2, ITF-2b, SEF2-1
Summary:	Transcription factor that binds to the immunoglobulin enhancer Mu-E5/KE5-motif. Involved in the initiation of neuronal differentiation. Activates transcription by binding to the E box (5'-CANNTG-3'). Isoform 2 inhibits MYOD1 activation of the cardiac alpha-actin promoter. Binds to the E-box present in the somatostatin receptor 2 initiator element (SSTR2-INR) to activate transcription. May have a regulatory function in developmental processes as well as during neuronal plasticity.[UniProtKB/Swiss-Prot Function]