

## Product datasheet for **TP507447**

### Sox10 (BC018551) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse SRY-box containing gene 10 (cDNA clone MGC:18351 IMAGE:3675437), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207447 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAEEQDLSEVELSPVGSEEPRLCLSPGSAPSLGPDGGGGGSLRASPGPGELGKVKKEQQDGEADDDKFPV  
CIREAVSQVLSGYDWTLPMPVVRVNGASKSKPHVKRPMNAFMVWAQAARRKLADQYPHLHNAELSKTLGK  
LWRLLNESDKRPFIEEAERLRMQHKKDHPDYKYQPRRRKNGKAAQGEAECPGGEAEQGGAAAIAHYKSA  
HLDHRHPEEGSPMSDGNPEHPSGQSHGPPTPTTPKTELQSGKADPKRDGRSLGEGGKPHIDFGNVDIGE  
ISHEVMSNMETFDVTELDQYLPPNGHPGHVGSYSAAGYGLGSALAVASGHSAWISKPPGVALPTVSPPGV  
DAKAQVKTETTGPQGPPHYTDQPSTSQIAYTSLSLPHYGSAFPSSSRPQFDYSDHQPSGPPYGHAGQASG  
LYSAFSYMGPSQRPLYTAISDPSPSGPQSHSPTHWEQPVYTTLSRP

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	49.9 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:	20665
UniProt ID:	<a href="#">Q04888</a>



[View online »](#)

RefSeq Size: 2554

Cytogenetics: 15 37.7 cM

RefSeq ORF: 1398

Synonyms: Dom; gt; Sox21

**Summary:** Transcription factor that plays a central role in developing and mature glia (PubMed:24204311, PubMed:27532821). Specifically activates expression of myelin genes, during oligodendrocyte (OL) maturation, such as DUSP15 and MYRF, thereby playing a central role in oligodendrocyte maturation and CNS myelination (PubMed:24204311, PubMed:27532821). Once induced, MYRF cooperates with SOX10 to implement the myelination program (PubMed:24204311). Transcriptional activator of MITE, acting synergistically with PAX3 (By similarity). [UniProtKB/Swiss-Prot Function]