

## Product datasheet for TP519692

### Cbfa2t3 (NM\_009824) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse CBFA2/RUNX1 translocation partner 3 (Cbfa2t3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR219692 representing NM_009824 Red=Cloning site Green=Tags(s)

MSQASTTTLES GALLSGPRGLQNGSPAHRKEKAAAMPDSPA EVKTKQPRSTPPSMPPPPPTSSQGATRPPS  
 FTPHTHGEDGPATSLPHGRFHGCLKWSMVCLLMNGSSHSPTAIHGAPSTPNGFSNGPATSSSTASLSTQHL  
 PPACGARQLSKLKRFLTTLQQFGSDISPEIGERVRTLVLGLVNSTLTIEEFHAKLQEATNFPLRPFVIPF  
 LKANLPLLQRELLHCARLAKQTPAQYLAQHEQLLLDASATSPVDSSSELLLEVNENGRKRRTPDRTKENGSD  
 RDPLHPDHLSKRCTLSPAQRCSNGLPHPTPPPPHYRLEDMAMAHHFRDSYRHPDPRELRERHRPLA  
 IPGSRQEEVIDHRLTEREWAEEWKHLNSLLNCIMDMVEKTRRSLTVLRRCEADREELNHWIRCYSDSEE  
 GKKGPTPISARSLNSCSGPEGSQLDVHRDFTPRTLSGYMPPEIWRKAEAEAVNEVKRQAMSELQKAVSDAE  
 RKAHELITTERAKMERALAEAKRQASEDALTVINQQEDSSESCWNCGRKASETCSGCNAARYCGSFCQHK  
 DWEKHHHVCGQSLQGPAAAVADPLPGQPDATASPSEAGSAGPSRPCSPGPPGLDAAVPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	68.4 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.



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RefSeq:	<a href="#">NP_033954</a>
Locus ID:	12398
UniProt ID:	<a href="#">O54972</a> , <a href="#">B7ZP57</a>
RefSeq Size:	7659
Cytogenetics:	8 E1
RefSeq ORF:	1860
Synonyms:	A630044F12Rik; AI465270; AW229127; Cbfa2t3h; ETO-2; Eto2; MTGR2
Summary:	<p>Transcriptional corepressor which facilitates transcriptional repression via its association with DNA-binding transcription factors and recruitment of other corepressors and histone-modifying enzymes. Can repress the expression of MMP7 in a ZBTB33-dependent manner. Reduces the protein levels and stability of the transcriptional regulator HIF1A; interacts with EGLN1 and promotes the HIF1A prolyl hydroxylation-dependent ubiquitination and proteasomal degradation pathway. Contributes to inhibition of glycolysis and stimulation of mitochondrial respiration by down-regulating the expression of glycolytic genes including PFKFB3, PFKFB4, PDK1, PFKP, LDHA and HK1 which are direct targets of HIF1A (By similarity). Regulates the proliferation and the differentiation of erythroid progenitors by repressing the expression of TAL1 target genes (PubMed:16407974). Plays a role in granulocyte differentiation (PubMed:15231665).[UniProtKB/Swiss-Prot Function]</p>