

## Product datasheet for TP511520

### Gtf2ird1 (NM\_001081465) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse general transcription factor II I repeat domain-containing 1 (Gtf2ird1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR211520 representing NM_001081465 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MALLGKHCDIPTNGCGSERWNSTFARKDELINSLVSALDSMCSALSCLNTEVACVAVHNESVFMGTEKG  
RVFLNTRKELQSDFLRFCRGLWNDPEAGHPKKVQRCEGGGRSLPRSSLEQCSDVYLLQKMVEEVFDVLY  
SEAMGRATVPLPYERLLREPGLLAVQGLPEGLAFRRPAEYDPKALMAILEHSHRIRFKLRRPPDDGGQD  
TKALVEMNGISLLPKGSRDCGLHGQASKVAPQDLTPTATPSSMANFLYSTMPNHTIRELKQEVPTCPLT  
PSDLGMGWVPEPHVPSTQDFSDCCGQTPAGPAGPLIQNVHASKRILFSIVHDKSEKWDPFIKEMEDINT  
LRECVQILFNSRYAEALGLDHMVPVYPYRKIACDPEAVEIVGIPDKIPFKRPCTYGVPKLKRILEERHSIH  
FIIKRMFDERIFTGNKFTKDPMKLEPASPPEDTSTEVCRDSDLTAGTAWSDMSSVSEDCGPGTSGEIAM  
LRPIKIEPEELDIIQVTVSDPSPTSEEMTDSLPGHLPSEDSGYMEMPADKGPSEEPWSEERPAEESPGD  
VIRPLRKQVEMLFNTKYAKAIGTSEPVKVPYSKFLMHPEELFVLGLPEGISLRRPNCFGIAKLRKILEAS  
NSIQFVIKREPELLTDGVKEPVLDTQERDSWDRLVDETPKRQGLQENYNTLSRIDIANLREQVQDLFNK  
KYGEALGIKYPVQVPYKRIKSNPGSVIIIEGLPPGIPFRKPCTFGSQNLERILSVADKIKFTVTRPFQGLI  
PKPDEDDANRLGEKVILREQVKELFNEKYGEALGLNRPVLPYKLRDSDPAVEVKGLPDDIPFRNPNTY  
DIHRLEKILKAREHVRMVIINQLQPFAEVCNDPKVPEEDDSNKLGGKVVILREQVKELFNEKYGEALGLNR  
PVLVPYKLRDSDPAVEVKGLPDDIPFRNPNTYDIHRLEKILKAREHVRMVIINQLQPFQDVCNNAKVPA  
KDNIPKRKRKRKRVSEGNSVSSSSSSSSSSSNPESVASTNQISLVQWPVYMDYSGLNVQLPGPLDY

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	117.6 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



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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001074934</a>
<b>Locus ID:</b>	57080
<b>UniProt ID:</b>	<a href="#">Q6PD35</a> , <a href="#">Q5XJY7</a> , <a href="#">Q8BP10</a>
<b>RefSeq Size:</b>	3480
<b>Cytogenetics:</b>	5 74.55 cM
<b>RefSeq ORF:</b>	3135
<b>Synonyms:</b>	1700012P16Rik; BEN; Cream1; ESTM9; Gtf2il; GTF3; MusTRD1; Tg(Alb1-Myc)166.8Sst; WBSCR11; X83320
<b>Summary:</b>	May be a transcription regulator involved in cell-cycle progression and skeletal muscle differentiation. May repress GTF2I transcriptional functions, by preventing its nuclear residency, or by inhibiting its transcriptional activation. May contribute to slow-twitch fiber type specificity during myogenesis and in regenerating muscles. Binds troponin I slow-muscle fiber enhancer (USE B1). Binds specifically and with high affinity to the EFG sequences derived from the early enhancer of HOXC8.[UniProtKB/Swiss-Prot Function]