

Product datasheet for **MC219223**

Tkfc (NM_145496) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tkfc (NM_145496) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tkfc
Synonyms:	BC021917; Dak
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219223 representing NM_145496
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAGTCCAAGAAGATGGTGAATTCTGTGGAAGGGTGTGCTGATGATGCCCTTGTGGGTTAGTAGCCT
CTAACCTGACTTGCAGCTCCTGCAAGGGCACCGTGTGGCCCTACGTTCTGACCTGGACACCCTCAAGGG
CCGGGTAGCACTTCTGTAGGTGGAGGCTCAGGCCATGAGCCTGCCCATGCCGTTTTATCGGGAAAGGG
ATGCTAACAGGTGCATCGCAGGATCTGTGTTGCCTCTCCTCTGTGGGCAGCATCTGGCAGCCATTA
GAGCTGTGGCCAGGCAGGCACAGTGGGCACCCTCCTCATTGTGAAGAACTACACTGGGGATCGGCTCAA
CTTTGGACTTGCCATGGAGCAGGCCAAGGCCGAGGGCATCTCTGTGGAGATGGTGTAGTTGAGGATGAC
AGTGCCTTACCCTCCTCAAGAAGGCAGGCCGCGTGGCCTGTGTGCACAGTACTTATCCACAAGGTGG
CAGGTGCTCTGGCTGAGGAAGGAATGGGCTGGAGGAGATCACAAGAGGGTGTAGCGTGTATGCCAAGAC
CATGGGTACCCTAGGGGTGAGCTTGTCTCCTGCAGTGTCCCTGGCGCCACACACCTTTGAGCTTGCA
GCTGATGAAATAGAGCTAGGCCTGGGGATCCATGGGGAAGCTGGTGTTCGTCGGATAAAGATAGCACCTG
TTGATCAGATTGTCACTTTATGCTTGACCACATGACAAAACCTCCAATATATTTTCATGTGCCTGTACG
GTCAGGCTCTTCACTGGTGTGATAGTCAACAATCTGGGTGGCCTGTCTTTCCTGGAAGTGGGCATCATA
GCTGATGCTGCCATACGCTTGTGGAGGGCCGTGGAGTGAAGGTGCGCCGTGCCCTGGTGGGCACCTTCA
TGTGAGCGCTGGAGATGCCTGGTGTCTCTTACTTTGATGCTTGTGGATGAACCCGTGCTGAAGCTAAT
AGATGCTGAACTACTGCAAAAGCCTGGCCTCACATGGCCAAGGTCTCTGTGACTGGGAGGAAGCGGATT
CGGGCAGCTCCCACAGAGCCTCCAGAAGCCCCTGAAGCCACTGCAGCAGGAGGTGAACATCAAAGCAGA
TGGCACTTGTGCTGGATCGGATATGCACCACCCTCATCGGACTGGAGGAGCACCTGAATGCCTTGGACAG
GGCTGCTGGTGTAGGGGATTGTGGTTCTACCCATAGCCGTGCTGCCAAAGCCATTACAGGGCTGGCTAAAG
GAAGGCCCATCTTAACAGCCCTGCCAGGACTCTCCAGATTGTCTGTCTGCTGGAGAGGATGG
GAGGCTCATCTGGGGCGCTCTATGGCCTGTTCTGACTGCAGCTGCCAGCCTCTCAAGGCCAAGACTGA
CCTCCCAACCTGGTCTGCTGCCATGGATGCCGGCTTAGAGTCCATGCAGAAGTATGGAAAGGCTGCACCA
GGAGACAGGACAATGCTGGATTCTCTGTGGCAGCAGCACAGGAGTTCGAAGCCTGGAAGAGCCAGGGG
CCAGTCTCTCCAGTCTGACTAAAGCAGTCAAGAGTGTGAAGCTGCAGCCGAGGCCACCAAGAATAT
GGAAGCTGGTGTGGGAGAGCTAGTTATATCAGCTCTGCACAACCTAGATCAGCCAGACCCTGGAGCAGTC
GCAGCTGTGCCATCTCCGTGCCATCCTGGAGGTCTTGCAGACGCAGGGAGCATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_145496

Insert Size: 1737 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_145496.1](#), [NP_663471.1](#)

RefSeq Size: 2350 bp

RefSeq ORF: 1737 bp

Locus ID: 225913

UniProt ID: [Q8VC30](#)

Cytogenetics: 19 A

Gene Summary: Catalyzes both the phosphorylation of dihydroxyacetone and of glyceraldehyde, and the splitting of ribonucleoside diphosphate-X compounds among which FAD is the best substrate. Represses IFIH1-mediated cellular antiviral response.[UniProtKB/Swiss-Prot Function]