

Product datasheet for **MG209245**

Dyrk4 (NM_207210) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dyrk4 (NM_207210) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dyrk4
Synonyms:	AW049118; Dyrk4a; Dyrk4b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209245 representing NM_207210
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGACGTCCAAGGCTCAGTCGGAGGTTGAGAGTAAGCCTTTGGGTCACCTCCAGAAGCCATCTCCA
 AGAACAAAGAAGCTGAGAGTGAACCGATGTCACAAAAGATTCCAAGTAACACGGCGTTCCCTTTTGTGGA
 CACAAAGGGGAAGAGGAACACAGTTAATTCCCCAGATTGGCAACAAAGTCCCATCAAAGGGGCCATG
 CAGTATCAGGAAAATCAAATTCATAATCAAGTGTATCCTCTGAACTCAAGACTCAGAAAATACCTTTCA
 ACATTAACACCAAAGCCCAAGACACCAAGCCACACCCAGAACTACAAAAGAAGCACAAAGTCCCTTTAC
 AGTAGCAGAGGCCCTAAAGTTCTTTAAGAATCAGCTGTCCCTTATGAGCAAAGCGAAATCTGGGCTAC
 TCAGAGCTGTGGTTCTGGGCCCTGAAGCCAAGAAGCTCAACGTGGTCCAGAGAAGTTCAGCAAGACAA
 GCTTTGATGATGAGCACGGTTCCTATATGAAGGTCTGCATGACCACATTGCCTACCGATATGAGGTTCT
 GGAGATGATCGGAAAGGTCCTTTGGACAGGTGGCCAAGTGTGGATCACAAAACAATGAGTTGGTG
 GCCTGAAAATCATCAGGAACAAAAGAGATTTACCATCAGGCTCTGGTGGAGCTGAAGATCCTGGGAA
 CCCTCAGAAGGAAGGACAAAGACAAACACACAATGTGGTCCACATGAAGGATTTCTTCTACTCCGGAA
 TCACCTCTGTATCACCTTTGAGCTCCTGGGAATCAACCTGTATGAGTTGATGAAGAACACAGCTTTTCAT
 GGCTTCAATCTGTCCATAGTTCCGGCGCTTACCTTTTCCATTTTGAAATGCTTACACATGCTTTATGTAG
 AGAAAATCATCCACTGTGACCTCAAGCCGAAAATATTGTGCTATACCAGAGGGGCAAGTCACTGTTAA
 AGTTATTGACTTTGGGTCAAGCTGTTATGAACACCAGAAAGTGTATACGTACATCCAAAGTCGTTTCTAC
 CGATCCCCAGAGGTGATTCTGGGACACCCTATAACATGGCCATTGACATGTGGAGCTGGGCTGCATCA
 TGGCGGAGCTGTACACCCGATACCCACTGTTCCCTGGGAGAACGAGGTGGAGCAGCTGGCTTGCATCAT
 GGAGGTGCTGGGCTGCCACCTGCCACTTCCACCAGACAGCCTCCAGGAGACAGGTATTCTTTGATTCC
 AAAGGTCTTCCAAAAATATAACAACAACAGAGGGGAAAAAGATACCCAGATTCGAAGGATCTCACGA
 TGGTGGTGA AACCTACGATTCCAGCTTCTGGACTTTCTCAGAAGGTGGGAGCCTTCTCTGCGCATGAC
 CCCCAGCAGGCCCTCAAGCATGCCTGGATTACGAGCCGAGGAAATTCAAACCAGGCCCAAGCCACAG
 ATATTAAGGAAGCCTGGTCCAGTATTTCTCTGAGATAAGCACGGAAAAGGCTGAAGAGCAACAGGCCA
 GCAAAGGCAAAAAGATGAGGCTACCAAAGAACTACAGACAAATGAAGGACGAAGCTGAGAAGCACCT
 TGAGAATTCGGGCAACAGCAGAGCTCTGTGGAGCACACAGCAGACACCATCCAGCTGCCTCACCTAACA
 GAAGCTTCTGAAAGTCAGAGACTGTTGCTGGGTGAGAGATGTCCGCAGAACAGCAGAGCACCTCTCC
 CCAAGAGCACAAACATCTTACCACCCATCGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209245 representing NM_207210
 Red=Cloning site Green=Tags(s)

MRTSKAQSEVESKPLGHLQKPSKKNKLRVNRCPQKIPSNFAFPFVDTKGRNTVNFQIGNKVPKSGPM
 QYQENQIHNQVLSSELKTSEIPFNINTKAQDTKPHPELQKHKVPLTVAEALKFFKNQLSPYEQSEILGY
 SELWFLGLEAKKLNVPVEKFSKTSFDDEHGSYMKVLHDHIA YRYEVLEMIGKSGFQVAKCLDHKNNELV
 ALKIRNKKRFHHQALVELKILEALRRKDKDNNHNVVHMKDFYFRNHLCTIFELLGINLYELMKNNSFH
 GFNLSIVRRFTFSILKCLHMLYVEKIIHCDLKPENIVLYQRQVTVKVIDFGSSCYEHQKVYTYIQSRFY
 RSPEVILGHPYNAIDMWSLGCIMAELYTGYPFPGENEVEQLACIMEVLGLPPAHFTQTASRRQVFFDS
 KGLPKNINNRGGKRYPSKDLTMVVKTYDSSFLDFLRWEPRLRMTPEQALKHAWIHEPRKFKPRPKPQ
 ILRKPGASISSEISTEKAEQQASKGKDEATKETTDLKDEAEKHLKLENSGKQSSVEHTADTIQLPHLT
 EASGKSETVAGSEMSAEQQSTSSPKSTNILPPIV

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_207210.1 , NP_997093.1
RefSeq Size:	2161 bp
RefSeq ORF:	1899 bp
Locus ID:	101320
UniProt ID:	Q8BI55
Cytogenetics:	6 F3
Gene Summary:	Possible non-essential role in spermiogenesis.[UniProtKB/Swiss-Prot Function]