

Product datasheet for **RG218144**

Clorf172 (KDF1) (NM_152365) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Clorf172
Synonyms:	Clorf172; ECTD12
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG218144 representing NM_152365
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCCGCCCTGGACACCCCGCCAGCATCTGGCCTCCACGCTTGGGACCGTGGGAGCGGCCAACAG
AGCTATGTCTGGAGACATATGATAAACCACTCAGCCCCACCAAGCCGCCGACCCGTAGACCAGACCC
CAAGGACCCCTGGCCACCATGGGCCAGAGAGCATTACCTTCATCTCTGGCTCTGCTGAGCCGGCCCTTGAG
TCCCCACCTGCTGCCTGCTCTGGCGACCTGGGTGTGGAGTGGTGCCGGGCTGCCTTCTGCTTCGGCC
GCTGCCGGGATTGCCTCCAGCGCTGTGGAGCCTGTGTGCGGGGATGCAGCCCTGCCTGTCTACTGAGGA
CTCCACTGAGGGGACTGCTGAAGCCAACTGGGCCAAGGAGCACAATGGAGTGCCCCCAGCCCTGATCGT
GCACCCCCAGCCGGCGGGATGGCCAGCAGCTCAAGTCAACCATGGGCAGCAGCTTCAGCTACCCCGATG
TTAAGCTCAAAGGCATCCCTGTGTATCCCTACCCGAGGGCCACCTCCCCAGCCCTGATGCGGACTCCTG
CTGCAAGGAGCCACTGGCCGATCCCCACCCATGCGACACAGCCTGCCAGCACCTTTGCCAGTAGTCCT
CGTGGCTCCGAGGAGTACTATTCTTTCCATGAGTCGGACCTGGACCTGCCGGAGATGGGCAGTGGCTCCA
TGTCGAGCCGAGAAATTGATGTGCTCATCTTCAAGAAGCTGACAGAGCTGTTACGCGTACACCAGATCGA
TGAGCTGGCCAAGTGACATCAGACACTGTGTTCTGGAGAAGACCAGTAAGATCTCGGACCTTATCAGC
AGCATCAGCAGGACTACCACCTGGATGAGCAGGATGCTGAGGGCCGCTGGTACGCGGCATCATTCCGA
TTAGTACCCGAAAGAGCCGTGCTCGCCACAGACCTCGGAGGGTCGTTCAACTCGGGCTGCTGCCCAAC
CGCTGCTGCCCTGACAGTGGCCATGAGACCATGGTGGGCTCAGGTCTCAGCCAGGATGAGTGACAGTG
CAGATCTCCAGGAGACGACTGCAGATGCCATCGCCCGAAGCTGAGGCCTTATGGAGCTCCAGGTACC
CAGCAAGCCATGACTCATCTTCCAGGGCACCGACACAGACTCGTCGGGGCACCCCTTGCTCCAGGTGTA
CTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG218144 representing NM_152365
Red=Cloning site Green=Tags(s)

MPRPGHPRPASGPPRLGPWERPTCLCLETYDKPPQPPPSRRTRRPDPKDPGHHGPESITFISGSAEPALE
SPTCLLLWRPWWWCRAAFCFRRCRDCLQRCGACVRGCSPLSTEDSTEGTAEANWAKEHNGVPPSPDR
APPSRRDGQQLKSTMGSSF SYPDVKLGIPVYPYPRATSPAPDADSCCKEPLADPPPMRHSLPSTFASSP
RGSEYYSFHESDLPEMGSMSMSREIDVLIFKKLTFLSVHQIDELAKCTSDTVFLEKTSKISDLIS
SITQDYHLDEQDAEGRVIRIIRISTRKSRARPQTSEGRSTRAAAPATAAPDSGHETMVGSLSQDELTV
QISQETTADAIAARKLRPYGAPGYPAHSDSSFQGTDTDSGAPLLQVYC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152365

ORF Size: 1194 bp

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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_152365.1](#), [NP_689578.1](#)

RefSeq Size: 1785 bp

RefSeq ORF: 1197 bp

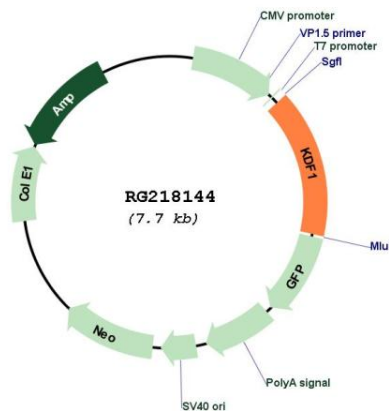
Locus ID: 126695

UniProt ID: [Q8NAX2](#)

Cytogenetics: 1p36.11

Gene Summary: Plays a role in the regulation of the epidermis formation during early development. Required both as an inhibitor of basal cell proliferation and a promoter of differentiation of basal progenitor cell progeny (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG218144