

Product datasheet for **RG222282**

KRT26 (NM_181539) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KRT26 (NM_181539) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KRT26
Synonyms:	CK26; K25B; K25IRS2; K26; KRT25B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG222282 representing NM_181539
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTTTTTCGACTTTCTGGTGGATCCAGGAGGATCTGCTCGCGAACTGGGTCTGGTAGGCTGTCCGGTG
 GAGGAACAGGCTTCGTGGCTGGGAATGTGTGTGGTGGATCGGGAGCAAGAAGCAGCTTTTCTGTACTCT
 TGAGGGCATCTCTTCTGGAGGAAGCTTCTGCAATAGCGGTGGAGGGTTGGGAAGTGGTGCCTGTGCTGGT
 TTTCTTGCAATGAGCACAGCCTCCTCTCTGGGAATGAAAAGGTGACCATGCAGAATCTCAACGACCGCC
 TGGCATCTACCTGGACCATGTGCATGCTCTAGAGGAGGCCAACGCAGACCTGGAGCAGAAGATCAAGGG
 CTGGTACGAGAAATGTGAGCCTGGCTCTCCCGGGAACACGATCATGACTATAGCAGATACTTCTCAGTC
 ATAGAAGATCTTAAAAGGCAGATTATTTCTGCGACCATCTGCAATGCCAGCATTGTTCTACAAAATGACA
 ATGCCAGACTGACCGCTGATGACTTCAGGCTGAAGTATGAAAATGAGCTGGCTCTGCACCACAGTGTGA
 GGCCGACACCAGTGGTCTTCGCAGAGTGTGGATGAACTGACCCTTTGTACAACCGACCTGGAGATACAG
 TGTGAGACCCCTCAGTGAGGAATTGACCTACCTCAAAAAAGTCATGAGGAGGAAAATGGAAGTCTTGAAT
 ATACAGCTGGGGGGAACGTGAACGTGGAGATGAATGCAACCCAGGAGTGGACCTAACTGTCTGTGAA
 CAACATGAGGGCTGAGTATGAGGACTTGGCTGAGCAGAACCGCAAAGATGCTGAAGCCTGGTTCAACGAG
 AGGAGTGAACGCTGCAACAACAGATTTCCGATCATGAGGGAGCAGCCACAGCAGCCAGAAAATGAGCTGA
 CCGAATTAACGCAATCTGCAAAACCTGGAAATAGAATTGAGTCCCTCATGGCTGTGAAACATTCCTA
 TGAATGCTCCTTGGCTGAGACTGAAGGAAATTAAGTCAACTCCAGCAAATTCAGGATCAGATAGGG
 GTGATGGAGGAACAACGCAACAGATTCGAACAGAAACAGAAGGCCAGAAGCTGGAGTATGAACAGCTTC
 TTGATGTAAAAATATTTTGTAGAAAAAGAAATGACATTTATTGCAACTTACTAGATGGAGAAAGAAA
 AAGCAAATCCACATGTTACAAATCAAAAGGATACAGGCCGTGTAATTCTGGAAATCAAGCCAAAGACTCA
 ACAGAAGAACTATTGTTAAAACAGTGGTTGAGGAACTGGATCAAATTGGCAATCTCTTCACTGAGAG
 TCCACTCAGTTGAAGAAAAGTCTCTAAAATAAGCAACATTACAGTAGAGCAACGAGTACCTTCTAAAGC
 ACCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG222282 representing NM_181539
 Red=Cloning site Green=Tags(s)

MSFRLSGGSRRICSRITGSGRLSGGGTGFVAGNVCVGSARSSFCTLEGISSGGSFCNSGGGLGSGACAG
 FLGNEHSLLSGNEKVTMQLNDRLASYL DHVHAL EEAADLEQKIKGWYEKCEPGSSREHDHDYSRYFSV
 IEDLKRQIISATICNASIVLQNDNARLTADDFRLKYENELALHHSVEADTSGLRRLVDELTLCTTDLEIQ
 CETLSEELTYLKKSH EEE MEVLQYTAGGNVNVEMNATPGVDLTVLLNNMRAEYEDLAEQNRKDAEAWFNE
 RSATLQQQISDHEGAATAARNELTELKRNLQTLEIELQSLMAVKHSYECSLAETEGNYCNQLQQIQDQIG
 VMEEQLQQIRTETEGQKLEYEQLLDVKIFLEKEIDIYCNLLDGEERKSKSTCYKSKGYRPNVNSGNQAKDS
 TEETIVKTVVEELDQIGNLLSLRVHSVEEKSSKISNITVEQRPVPSKAP

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_181539

ORF Size: 1404 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.

RefSeq: [NM_181539.4](#), [NP_853517.2](#)

RefSeq Size: 1748 bp

RefSeq ORF: 1407 bp

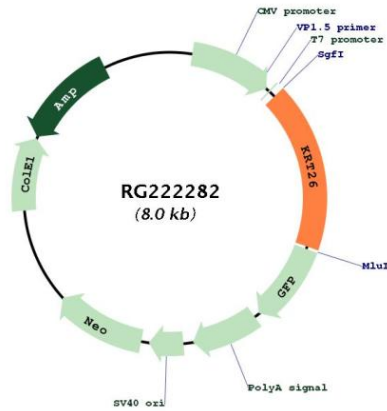
Locus ID: 353288

UniProt ID: [Q7Z3Y9](#)

Cytogenetics: 17q21.2

Gene Summary: The protein encoded by this gene is a member of the keratin superfamily. This keratin protein is a type I keratin that is specific for the inner root sheath of the hair follicle. This gene exists in a cluster with other keratin genes on chromosome 17q21. [provided by RefSeq, Jul 2009]

Product images:



Circular map for RG222282