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Product datasheet for RG223582

KRT25 (NM_181534) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KRT25 (NM_181534) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KRT25
Synonyms:	ARWH3; KRT24IRS1; KRT25A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG223582 representing NM_181534
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCTCTTCGACTTTCCAGTGCATCCAGGAGGTCCTGTCCTCGTCCCACCACTGGATCACTCAGACTCT
ATGGTGGGGGAACCAGCTTTGGTACTGGAAATTCTTGTGGCATTTCAGGGATTGGAAGTGGCTTCTCTAG
TGCCTTCGGAGGCAGCTCATCGGGAGGAAACACAGGGGGAGGTAATCCCTGTGCTGGCTTCACTGTGAAT
GAGCGGGGGCTCCTTTCTGGCAATGAGAAGGTGACCATGCAGAACCTCAATGACCGCCTGGCATCCTACC
TGGACAGTGTGCATGCTCTGGAGGAGGCCAACGCTGACCTGGAGCAGAAGATCAAGGGCTGGTATGAGAA
ATTTGGGCCTGGCTCTTGCCGTGGTCTTGATCATGACTATAGCAGATATTTCCCAATAATTGATGACCTT
AAAAATCAGATCATCGCATCCACCACCAGCAATGCTAATGCTGTTCTGCAGATCGATAATGCCAGGCTTA
CAGCTGATGATTTCAGACTCAAGTATGAAAATGAGCTGGCTCTTCACCAGAGTGTAGAGGCTGATGTCAA
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GCAACGTGAACGTGGAGATGAACGCAGCCCCCGGGGTGGACCTCACAGTTCTGCTGAACAACATGCGAGC
TGAGTACGAAGCCCTTGCAGAGCAGAACCGCAGGGACGCGGAGGCCTGGTTCAACGAGAAGAGCGCCTCC
CTGCAGCAGCAGATCTCTGAGGATGTCGGAGCCACAACCTCAGCCCGGAATGAGCTGACTGAAATGAAGC
GCACTCTTCAAACCCTGGAAATTGAACTTCAGTCTCTCCTAGCCACGAAACACTCCCTGGAGTGCTCCTT
GACAGAGACCGAGAGCAACTACTGTGCGCAGCTGGCGCAGATCCAGGCTCAGATCGGGGCCCTGGAGGAG
CAGCTGCACCAGGTCAGAACCGAGACCGAGGGCCAGAAGCTGGAGTATGAGCAGCTCCTGGACATCAAGC
TCCACCTGGAAAAAGAAATTGAGACCTACTGTCTCCTTATAGGAGGAGATGATGGAGCCTGTAAGTCTGG
GGGTTACAAGTCTAAAGATTATGGATCTGGAAATGTGGGAAGTCAAGTCAAAGACCCAGCCAAAGCCATA
GTGGTTAAGAAAGTTCTTGAGGAGGTAGACCAACGCAGCAAAATACTTACCACCAGGCTCCACTCCCTGG
AAGAGAAATCTCAAAGCAAT

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

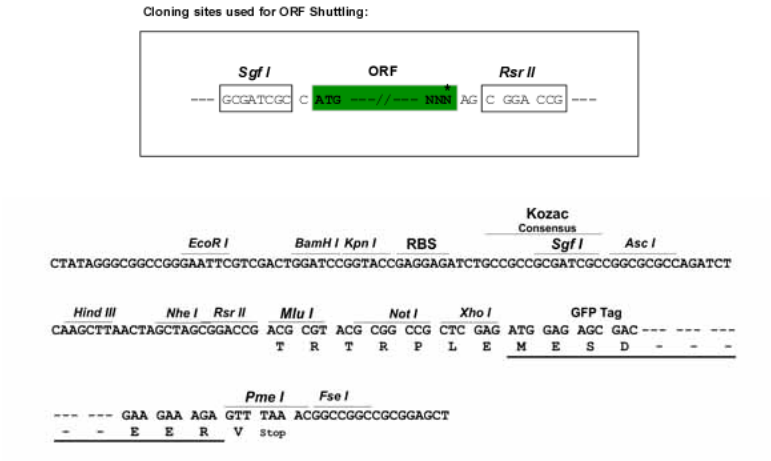
>RG223582 representing NM_181534
Red=Cloning site Green=Tags(s)

MSLRLSSASRRSCPRPTTGSLRLYGGGTSFGTGNSCGISGIGSGFSSAFGGSSSGGNTGGGNPCAGFTVN
ERGLLSGNEKVTMQNLNDRLASYLDSVHALEEANADLEQKIKGWYEKFGPGSCRGLDHDYSRYFPIIDDL
KNQIIASTTSNANAVLQIDNARLTADDFRLKYENELALHQSVEADVNGLRRVLDEITLCRTDLEIQYETL
SEEMTYLKKNHKEEMQVLQCAAGGNVNVEMNAAPGVDLTVLLNNMRAEYEALAEQNRRDAEAWFNEKSAS
LQQQISEDVGATTSARNELTEMKRTLQTLEIELQSLLATKHSLECSLTETESNYCAQLAQIQAQIGALEE
QLHQVRTETEGQKLEYEQLLDIKLHLEKEIETYCLLIGGDDGACKSGGYKSKDYGSGNVGSQVKDPAKAI
VVKKVLEEVDQRSKILTTRLHSLEEKSQSN

SGPTRTRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

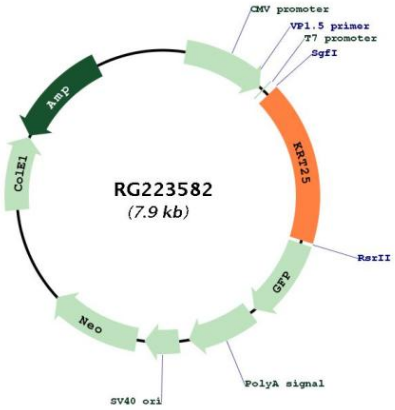
Cloning Scheme:



ACCN:	NM_181534
ORF Size:	1350 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_181534.4
RefSeq Size:	1684 bp
RefSeq ORF:	1353 bp
Locus ID:	147183
UniProt ID:	Q7Z3Z0
Cytogenetics:	17q21.2

Gene Summary: This gene encodes a member of the type I (acidic) keratin family, which belongs to the superfamily of intermediate filament (IF) proteins. Keratins are heteropolymeric structural proteins which form the intermediate filament. These filaments, along with actin microfilaments and microtubules, compose the cytoskeleton of epithelial cells. The type I keratin genes are clustered in a region of chromosome 17q12-q21. [provided by RefSeq, Jul 2009]

Product images:



Circular map for RG223582