

## Product datasheet for **RG224203**

### CCBE1 (NM\_133459) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CCBE1 (NM_133459) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCBE1
Synonyms:	HKLLS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG224203 representing NM_133459 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGCCCGCCTCCGAGCCGGGAGGAGCTGCCAGGGCCAGCTGGGCAGGAGCCTGGGTCCGCTGC  
TGCTGCTCCTGGCGTTGGGACACACGTGGACCTACAGAGAGGAGCCGGAGGACGGCGACAGAGAAATCTG  
CTCAGAGAGCAAATCGCGACGACTAAATACCCGTGTCTGAAGTCTTCAGGCGAGCTCACCACATGCTAC  
AGGAAAAAGTGTGCAAAGGATATAAATTTGTTCTTGACAATGCATCCCAGAAGATTACGACGTTTGTG  
CCGAGGCTCCCTGTGAACAGCAGTGCACGGACAACCTTTGGCCGAGTGTGTACTTGTATCCGGGATA  
CCGATATGACCGGGAGAGACACCGGAAGCGGGAGAAGCCATACTGTCTGGATATTGATGAGTGTGCCAGC  
AGCAATGGGACGCTGTGTGCCACATCTGCATCAATACCTTGGGACGCTACCGCTGCGAGTGCCGGGAAG  
GCTACATCCGGGAAGATGATGGGAAGACATGTACCAGGGGAGACAAATATCCCAATGACACTGGCCATGA  
GAAGTCTGAGAACATGGTGAAAGCCGGAACCTGCTGTGCCACATGCAAGGAGTTCTACCAGATGAAGCAG  
ACCGTGTGCAGCTGAAGCAAAGATTGCTGTCTCCCAACAATGCAGCTGACCTGGGCAAGTATATCA  
CTGGTGACAAGGTGTGGCCTCAAACACCTACCTCCAGGACCTCCTGGCCTGCCTGGGGCCAGGGCCC  
TCCCGGCTCACCAGGACCAAAGGAAGCCAGGCTTCCCAGGATGCCAGGCCCTCTGGGAGCCCGGCGG  
CCACGGGGCTCAATGGGACCCATGGGACCATCTCCTGATCTGTCCACATTAAGCAAGCCGGAGGGGCC  
CTGTGGGTCCACCAGGGGACCCAGGAAGAGATGGTTCTAAGGGGAGAGAGGAGCCCTGGGCCAGAGG  
GTCTCCAGGACCCCTGTTCTTTCGACTTCTGCTACTTATGCTGGCTGACATCCGCAATGACATCACT  
GAGCTGCAGGAAAAGGTGTTCCGGCACCGGACTCACTTTCAGCAGAGGAGTTCCCTTTACCTCAGGAAT  
TTCCAGCTACCCAGAAGCCATGGACCTGGGCTCTGGAGATGACCATCCAAGAAGAACTGAGACAAGAGA  
CTTGAGAGCCCCAGAGACTTCTACCCA

**ACGGT**ACGGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG224203 representing NM\_133459  
 Red=Cloning site Green=Tags(s)

MVPPPPSRGGAARGQLGRSLGPLLLLLALGHTWYREEPEDGDREICSESKIATTKYPCLKSSGELTTCY  
 RKKCKCKGYKFVLGQCIPEDYDVCAEAPCEQQCTDNFGRVLCCTCYGYRYDRERHRKREKPYCLDIDECAS  
 SNGTLCAHICINTLGSYRCECREGYIREDGKCTRGDKYPNDTGHEKSENMMVKAGTCCATCKEFYQMKQ  
 TVLQLKQKIALLPNNAADLGKYITGDKVLA<sup>N</sup>SNTYLPGPPGLPGGQPPGSPGPKGSPGFPGMPGPPGQPG  
 PRGSMGMPGSPDLSHIKQGRGPVGGAPGRDGSKGERGAPGPRGSPGPPGSFDFLLMLADIRNDIT  
 ELQEKVFGHRTHSSAEFFLPQEFPSYPEAMDLSGDDHPRRTETRDLRAPRDFYP

TRTRPLE - GFP Tag - V

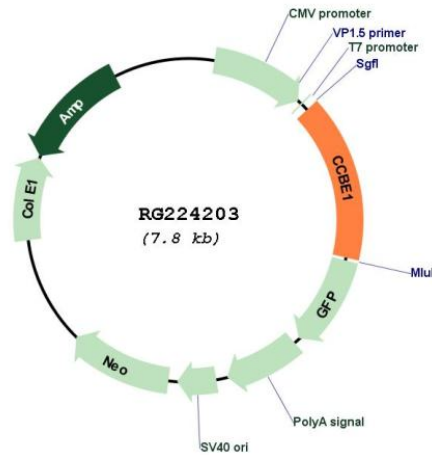
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_133459

<b>ORF Size:</b>	1218 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_133459.4</a>
<b>RefSeq Size:</b>	3233 bp
<b>RefSeq ORF:</b>	1221 bp
<b>Locus ID:</b>	147372
<b>UniProt ID:</b>	<a href="#">Q6UXH8</a>
<b>Cytogenetics:</b>	18q21.32
<b>Gene Summary:</b>	This gene is thought to function in extracellular matrix remodeling and migration. It is predominantly expressed in the ovary, but down regulated in ovarian cancer cell lines and primary carcinomas, suggesting its role as a tumour suppressor. Mutations in this gene have been associated with Hennekam lymphangiectasia-lymphedema syndrome, a generalized lymphatic dysplasia in humans. [provided by RefSeq, Mar 2010]