

## Product datasheet for **MR223483**

### Rasgrp4 (NM\_001174155) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rasgrp4 (NM_001174155) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rasgrp4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR223483 representing NM\_001174155  
 Red=Cloning site Blue=ORF Green=Tags(s)

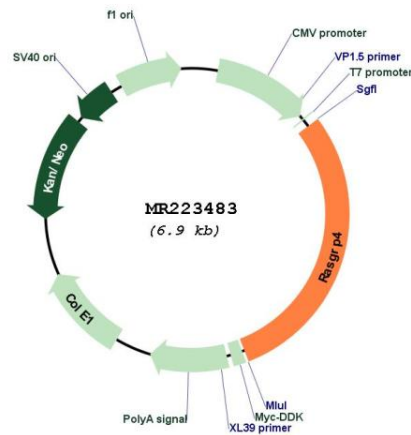
TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAACCGAAAGACATCAAAGGAAGTCTCATCAGGAATGCTCTGGGAAGGCAGGAGGGCGGGTTCGGT  
 CAGGTCAGGCCCGCCGCCACAAGACGTGCCACCCCGGAAATCAGCAAGGTCATGGCGTCCATGAA  
 TCTGGGAGTGCTGAGTGAGAGCAGCTGCAGCGAAGATGAGCTATTGGAGGAATGTATCCGCTGCTTTGAC  
 TCGGCTGGCAGCCTGCGCCGAGGGGACCACATTCTCAAGATGGTCTCACGATGCACAGCTGGGTCTGC  
 CATCCTCAGAGCTCGCTGCCGCTGCTGACTTCGTATCAGAAGGCTGCCAAAGATGCCAAAGAGCTAAG  
 ACAGCTACAGATCTGTTACTTGGTCAGGACTGGCTGACCCATCACCATGAGGCAGTGCACCAGGAACCC  
 CAGCTGGAAGCAGTCATAAGCCGGTTTTGGACCACTGTCGCTCAGGAGGGCAACATGGCCAAAGGAGCC  
 TGGGAGATGCCTCCAGCCTGCTAAGTCTGGAGGGCCCGTCCCCACCTCCCATGAGCAGCCAGGCT  
 GGGCAAGAAGCGAAAGTGTATTGCTATTCGATCACCTGGAGACAGAGGAGCTGCCACAACACCTCACT  
 TACCTGGAGTTCCGGTCTTCCAGGCTATCACACCCCAAGACCTGCGGGGCTATGTTTTGCAAGGTTTCAG  
 TGAGAGTTGTCCAGCTCTGGAAGTTCTGTGGTCTGAGCAACAGTGTGTCCCGCTGGGTGCAGGTCAT  
 GGTGCTGAGTCGTCTGGGCTGCACAACGTGCCAGGCTCTGGACAAATTCATTCGTGTGGCACAGAGG  
 CTTACCAGCTGCAGAATTTCAACACACTGATGGCGGTACGGGGGGTCTGTGTATAGCGCCATCTCCA  
 GACTCAAGGACTCCCACGTTTCTGAGCCCTGACAGCACAAAGGCCCTGCTGGAGCTGACAGAGCTCCT  
 CTCATCCACAACTATGCCCACTACCGCCACCTGGGCCGGTGTACTGGCTTCCGGCTGCCAGTA  
 CTGGGTGTGCACCTCAAGGACCTGGTATCTCTATATGAGGCTCATCCAGACAGATTGCCAGATGGCCGCC  
 TGCACCTACCCAAGCTGAATAGCCTCTATCTACGGCTGCAGGAGCTGATGGCGCTCCAGGGACAGCATCC  
 TCCTGCAGTGCCAATGAGGACCTGCTGCACCTGCTGACGCTCTCCCTGGATCTCTTCTACACGGAAGAT  
 GAGATCTACGAGCTTTCTTATGCCCGGGAACCAGCTGTCCCAAGAGTCTGCCACCGTCCCCCTCAAAG  
 CACCAGTGGTGGTAGAGTGGGCCAGGGTGTGACACCAAAGCCAGACAGCGTACTCTGGGTGAGCATGT  
 GGAACAGCTGGTGGAGTCCGTGTTCAAGAACTACGACCCAGAAGGCCGTGGCTCCATCTCTGAGGAGC  
 TTTGAGCGGTGTGAGGCACTTCCGTTGCGCTGCCATGGGCTTCAACCACTCCCGCCATGGGAGTG  
 GCTCCTCAGCAGAGAGGAGCTGACCAAGTACCTGCTCCATGCCAGTCCATCTGCTCCAAGCTGGGCT  
 GGCCTTCTGCACGCCTCCAGGAGTACCTTCCGAAAGCCACGTTCTGTGACAGCTGCAGCGGCTTC  
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 CCCAGGTGCACCTGTGCCAGCCACATCACTTCTCCTGCCAACTGTGGCTCAGAGGAAAGTCTCTCTAT  
 ACACTCTCCCGGATCCGGAGTCTGTTGCCACCTTCGCCATGCTTGGACCCAGACGGAATCCTCACACT  
 CTTCTGGGAGCCAGAGGTGGTCCCTGCCAGCACGGTCTTACCATCCAGAGCTTCTCGAAGCCAG  
 CGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



<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>	<u>NM_001174155.1, NP_001167626.1</u>
<b>RefSeq Size:</b>	4636 bp
<b>RefSeq ORF:</b>	2037 bp
<b>Locus ID:</b>	233046
<b>UniProt ID:</b>	<u>Q8BTM9</u>
<b>Cytogenetics:</b>	7 B1
<b>MW:</b>	75.3 kDa
<b>Gene Summary:</b>	Functions as a cation- and diacylglycerol (DAG)-regulated nucleotide exchange factor activating Ras through the exchange of bound GDP for GTP. May function in mast cells differentiation.[UniProtKB/Swiss-Prot Function]

**Product images:**


Circular map for MR223483