

## Product datasheet for **RN208269**

### Hrasls (NM\_001105871) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hrasls (NM_001105871) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hrasls
Synonyms:	A-C1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN208269 representing NM_001105871 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGTTAACGATTGCTTCAGTCTGACCTATCCTCACAACCCCAAGGAGACTTGATTGAAGTGT  
TCCGTCCTTGTATCAGCACTGGCACTGTACTGGGTGATGGCTACGTTATCAACATTGCACCTGTAGA  
TGGCATTCCCTCATCATTTTCAAGTGCCAAGTCTGTGTTTCAGCACAAAGCCTTGGTAAAAATGCAGCTT  
TTGAAGGATGTTGTGGAAATGACACATACAGAATAAATAACAAGTACGACACGACCTACCCTCCTCTCC  
CTGTGGAGGAAGTGATAACCGTTCAGAGTTCGCGATTGGCAGGAAGTAACCTATGACTTACTGGTCAA  
CAACTGTGAGCATTTTGTGACCTTGCTCCGCTATGGAGAAGGAGTGTGAGCAGGCCAACCGAGCAATC  
GGCACCATCGGGTTGGTGGCAGCTGGTATTGATATCTTCACATTCCTTGGCTTGTTCCTCCAAAAGACAAG  
GAGCAAAATCT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001105871
Insert Size:	504 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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<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_001105871.1, NP_001099341.1</u>
<b>RefSeq Size:</b>	2978 bp
<b>RefSeq ORF:</b>	504 bp
<b>Locus ID:</b>	288025
<b>UniProt ID:</b>	<u>D2KX21</u>
<b>Cytogenetics:</b>	11q22
<b>Gene Summary:</b>	Exhibits both phospholipase A1/2 and acyltransferase activities (By similarity). Shows phospholipase A1 (PLA1) and A2 (PLA2) activity, catalyzing the calcium-independent release of fatty acids from the sn-1 or sn-2 position of glycerophospholipids (By similarity). Shows O-acyltransferase activity, catalyzing the transfer of a fatty acyl group from glycerophospholipid to the hydroxyl group of lysophospholipid (By similarity).[UniProtKB/Swiss-Prot Function]