

Product datasheet for **RN213482**

Trak2 (NM_133560) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trak2 (NM_133560) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Trak2
Synonyms:	Als2cr3; GRIF-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN213482 representing NM_133560
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGTCTGTCCAGAATGCCATTTTCAAGTCACAACAGGTGAAGAAAACCTCATGAGTAGCAACCATA
 GAGACTCGGAGAGCATCACTGATGTCTGCTCCAATGAGGATCTCCCTGAGGTCGAGCTGGTCAACTTGCT
 GGAAGAGCAGCTGCCACAGTATAAGCTAAGAGTGGACTCTCTTTTCTCTACGAAAAACCAAGACTGGTCC
 CAGTCATCACACCAGCAGCAGGATGCATCTGAGACCCTCTCTCCAGTCTGGCTGAGGAGACCTCCGCT
 ACATGATTCTAGGCACAGACAGAGTAGAGCAGATGACCAAAACCTACAATGACATTGACATGGTCACGCA
 TCTCTGGCAGAGAGGGACCGAGATCTAGAGCTGGCTGCTCGGATTGGGCAAGCCCTGCTAAAGCGGAAC
 CATGTCTTATCTGAGCAGAATGAATCTCTGGAGGAGCAGCTGGGACAAGCCTTTGATCAAGTCAATCAGC
 TGCAGCAGAGCTGTCCAAGAAAGAGGAGCTGCTCCGAATCGTCTCCATCGCCTCAGAGGAGAGTGAGAC
 GGATTCCAGCTGTTCCACACCCCTCCGGTTC AATGAGTCTT CAGCTTATCTCAAGCCTGCTGCAGCTG
 GACATGATGCACGAGAAGCTCAAGGAGCTGGAAGAAGAGAACATGGCCCTTCGGTCCAAGCTTGTCA
 TCAAGACAGAAACATTTACCTATGAAGAGAAGGAACAAAAGCTCATCAATGACTGTGTTAATGAACTCCG
 TGAGACCAATGCACAGATGTCCAGAATGACTGAAGAGCTGTGGGAAAGAGCGATGAGCTGCTTCGGTAC
 CAAGAAGAGATCTTCCCTGCTGTCTCAGATCGTAGACCTTCAGCACAAACTGAAAGAACATGTGATCG
 AGAAGGAAGAAGTGAAGTTCACCTGCAGGCGTCCAAAGATGCCAGCGACAGCTGACGATGGAGCTTCA
 CGAGTTACAGGACAGAAACATGGAGTGCCTGGGAATGTTACATGAGTCTCAAGAAGAAATAAAAGAGCTT
 CGGAACAAAGCCGGCCCTCCGCTCATCTGCTTCTCCAGGCTTACGGGGTTTTTGCAGGGGAGTCAC
 TGGCAGCTGAGATTGAAGGGACCATGCGTAAAAAGCTGAGTTTGGATGAGGAATCTGCTTTAAACAAA
 GGCCACAGCAAAAACGGGTGTTTGATAGTGTCAAGGTTGCCAACGACACAGGGGCCGCTCTGTCAATT
 CCAGTCTGCTGCCATCCAGGCTCCAACCGTTCAAGTGTATCATGACAGCAAAGCCCTTTGAGTCCG
 GTGTTACAGCAAACAGAGGACAAAACACTCCCGAACCAAGGGAGCAGCACAGAGGTTCCAGGGAACCTCA
 TCCCAGGGACCCCGAGGACTCCCTGAAGATAGTGACCTGGCTACAGCATTGCATCGCCTTAGCCTGAGA
 AGACAGAACTACCTAAGTGAGAAGCAGTCTTTCGCTGAAGATGGGAACGGAAGCTCCAGATTCTGGCTG
 AGCAGGAGGAAGAAGTTAGCAGCTGTGAGGCCCTCACGGAGAACCTTGCCTATTCTGCACTGACCAGTC
 AGAGACCAGGAGCTCGGCAGTCCGGCTGCCTTCGAGGCTTCATGCCAGAAAAGTTACAGATTGTCAAG
 CCCCTAGAAGGATCACAGACGCTACATCATTGGCAGCAGCTTGCTCAACCAAACCTGGGAACCATCCTTG
 ATCCACGCCAGGCGTCACTAAAGGCTTCACGCAGATGCCCAAGGATGCCGTCTATCATCTCGGA
 TTTGGAGGAGGATGAAGAAGTGGGGATCACTTTTCAGGTTCAAGCAGCCTTCAACTGGAGCAGAAGCCT
 GCACCACCCCGCCAGTAACGGGTATCTTCTGCGCCCATGACCTCAGCAGGGGGACCAGTCTCAGTTG
 CAACTTCGAACCCAGGAAAGTGTCTCTCATTACGAACTCAACATTCACCTTACCACCTGCAGGATCTT
 ACACCCCTCTGACATCACTCAGGTCACCCCTAGCTCTGGTTTCCCATCACTGTCTGTGGAAGCAGTGCG
 GGCAGTGCATCCAACACGGCTGTGAACCTCTCTGCTGCGTCTACAGACTGAGCATTGGTGAATCCATCA
 CAAACCCGGCGGACTCCACCATAACGTTTCAGTAGCACGAGGAGCTTAGCCAAACTCCTGCAGGAGCGAGG
 CATCTCCGCCAAAGTGTACCACAGCCAGCTTCAGAAAACCCCTTCTACAGCTTCGCCCAAGGCCCTG
 GCCACCCCTTCCACACCACAAATTCGCCGTGCGAGTCAACATGTTCTCCCCCGTGCCTTTGAACCCC
 GTGTCCATGTCTCCGAGAATTTCTGGCTTCCAGACCAGCTGAAACATTCTGCAAGAAATGTATGGCTT
 GAGACCTTCAAGGGCCCTCCTGATGTTGGCCAGCTGAAGATGAACTTGGTGGACAGGCTGAAGAGGCTG
 GGAATAGCCAGGTTGGTCAAGACCCCTGTTCCCGGGAGAATGGGAAAAGCCGAGAGGCAGAAATGGGTC
 TTCAAAAACAGACTCTGCTGTCTATTTAAATTCTGGTGGCAGTTTATTGGGTGGACTGAGGAGGAATCA
 GAGTCTCCAGTCATGATGGGTAGCTTTGGAGCCCGATTGACAACTCGCCAAAATGGGTATCCTG
 AAGGAAGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_133560
Insert Size:	2742 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).
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:	<ol style="list-style-type: none">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_133560.2 , NP_598244.2
RefSeq Size:	6041 bp
RefSeq ORF:	2742 bp
Locus ID:	171086
UniProt ID:	Q8R2H7
Cytogenetics:	9q31
Gene Summary:	May regulate endosome-to-lysosome trafficking of membrane cargo, including EGFR. [UniProtKB/Swiss-Prot Function]