

Product datasheet for **RC600057A1V**

Human TIE2 (TEK) (NM_000459) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human TIE2 (TEK) (NM_000459) AAV Particle
Tag:	Myc-DDK
Symbol:	TEK
Synonyms:	CD202B; GLC3E; TIE-2; TIE2; VMCM; VMCM1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC600057 representing leader sequence plus the extracellular domain region of NM_000459

Red=Cloning site Blue=ORF Green=Tags(s)

GTAATACGACTCACTATAGGGCGGCCGCGAATTCGTGACTGGATCTGGTACCGAGGAGATCCGCCGCCG
CGATCGCC

ATGGACTCTTTAGCCAGCTTAGTTCTCTGTGGAGTCAGCTTGCTCCTTTCTGGAAGTGTGGAAGGTGCCA
TGGACTTGATCTTGATCAATTCCTACCTCTTGATCTGATGCTGAAACATCTCTCACCTGCATTGCCTC
TGGGTGGCGCCCCATGAGCCCATCACCATAGGAAGGGACTTTGAAGCCTTAATGAACAGCACCAGGAT
CCGCTGGAAGTTACTCAAGATGTGACCAGAGAATGGGCTAAAAAAGTTGTTTGAAGAGAGAAAAAGGCTA
GTAAGATCAATGGTGCTTATTTCTGTGAAGGGCGAGTTCGAGGAGAGGCAATCAGGATACGAACCATGAA
GATGCGTCAACAAGCTTCCTTCTACCAGCTACTTTAACTATGACTGTGGACAAGGGAGATAACGTGAAC
ATATCTTTCAAAAAGGTATTGATTAAGAAGAAGATGCAGTGATTTACAAAAATGGTTCCTTCATCCATT
CAGTGCCCCGGCATGAAGTACCTGATATTCTAGAAGTACACCTGCCTCATGCTCAGCCCCAGGATGCTGG
AGTGTACTCGGCCAGGTATATAGGAGGAAACCTCTTCACCTCGGCCTTACCAGGCTGATAGTCCGGAGA
TGTGAAGCCCAGAAGTGGGGACCTGAATGCAACCATCTCTGACTGCTTGTATGAACAATGGTGTCTGCC
ATGAAGATACTGGAGAATGCATTTGCCCTCTGGGTTTATGGGAAGGACGTGTGAGAAGGCTTGTGAACT
GCACACGTTTGGCAGAACTTGTAAGAAAGGTGCAGTGGACAAGAGGGATGCAAGTCTTATGTGTTCTGT
CTCCCTGACCCCTATGGGTGTTCTGTGCCACAGGCTGGAAGGGTCTGCAGTGAATGAAGCATGCCACC
CTGGTTTTTACGGGCCAGATTGTAAGCTTAGGTGCAGCTGCAACAATGGGGAGATGTGTGATCGTTCCA
AGGATGTCTCTGCTCTCCAGGATGGCAGGGGCTCCAGTGTGAGAGAGAAGGCATACCGAGGATGACCCCA
AAGATAGTGGATTTGCCAGATCATATAGAAGTAAACAGTGGTAAATTTAATCCCATTGCAAAGCTTCTG
GCTGGCCGCTACCTACTAATGAAGAAATGACCCTGGTGAAGCCGGATGGGACAGTGCTCCATCCAAAAGA
CTTTAACCATACGGATATTTCTCAGTAGCCATATTCACCATCCACCGGATCCTCCCCCTGACTCAGGA
GTTTGGGTCTGCAGTGTGAACACAGTGGCTGGGATGGTGGAAAAGCCCTTCAACATTTCTGTTAAAGTTC
TTCAAAGCCCTGAATGCCCCAAACGTGATTGACACTGGACATAAATTTGCTGTCAACATCAGCTC
TGAGCCTTACTTTGGGGATGGACCAATCAAATCCAAGAAGCTTCTATACAAACCCGTTAATCACTATGAG
GCTTGGCAACATATTCAAGTGACAAATGAGATTGTTACACTCACTATTTGGAACCTCGGACAGAATATG
AACTCTGTGTGCAACTGGTCCGTCGTGGAGAGGGTGGGAAGGGCATCCTGGACCTGTGAGACGTTTCA
AACAGCTTCTATCGGACTCCCTCCTCAAGAGGTCTAAATCTCCTGCCTAAAAGTCAGACCACTCTAAAT
TTGACCTGGCAACCAATATTTCCAAGCTCGGAAGATGACTTTTATGTTGAAGTGGAGAGAAGGTCTGTGC
AAAAAAGTGATCAGCAGAATATTTAAAGTTCAGGCAACTTGACTTCGGTGCTACTTAACAACCTACATCC
CAGGGAGCAGTACGTGGTCCGAGCTAGAGTCAACACCAAGGCCAGGGGGAATGGAGTGAAGATCTCACT
GCTTGGACCCTTAGTGACATTCTTCTCCTCAACCAGAAAACATCAAGATTTCCAACATTACACTCTCT
CAGCTGTGATTCTTGGACAATATTGGATGGCTATTCTATTCTTCTATTACTATCCGTTACAAGTTCA
AGGCAAGAATGAAGACCAGCAGTGTGATGTGAAGATAAAGAATGCCACCATCACTCAGTATCAGCTCAAG
GGCCTAGAGCCTGAAACAGCATACCAGGTGGACATTTTGCAGAGAACAACATAGGGTCAAGCAACCCAG
CCTTTTCTCATGAAGTGGTGACCCTCCAGAATCTCAAGCACCAGCGGACCTCGGAGGGGGAAGATGCT
GCTT

ACGCGTTCAGGCGACTACAAGGATGACGACGATAAGGGATCTCATCATCACCATCACCATTAAATGAGATC
TGGTACCGATATCAAGCTTGTGACTCTAGA

Protein Sequence:	>RC600057 representing signal peptide plus the extracellular domain region of NM_000459 Red=Cloning sites Green= DDK and 6XHIS Tags MDSLASLVLCGVSLLLSGTVEGAMDILINSLPLVSDAETSLTCIASGWRPHEPITIGRDFEALMNQHQD PLEVTQDVTREWAKKVWVKREKASKINGAYFCEGRVGEAIRITMCMRQQASFLPATLTMTVDKGDNVN ISFKKVLKEEDAVIYKNGSFIHSVPRHEVPDILEVHLPHAQPDAGVYSARYIGGNLFTSAFTRLIVRR CEAQKWGPECNHLCTACMNGVCHEDTGECICPPGFMGRTEKACELHTFGRTCKERCSGQEGCKSYVFC LPDPYGCSCATGWKGLQCNEACHPGFYGPDCKLRCSNNGEMCDRFQGCCLSPGWQGLQCEREGIPRMTP KIVDLDPHIEVNSGKFNPICKASGWPLPTNEEMTLVKPDGTVLHPKDFNHTDHFSAIFTIHRILPPDSG VWVCSVNTVAGMVEKPFNISVKVLPKPLNAPNVIDTGHNFAVINISSEPYFGDGPISKKLLYKPVNHYE AWQHIQVTNEIVTLNLEPRTEYELCVQLVRRGEGEGHGPVRRFTTASIGLPPPRGLNLLPKSQTTLN LTWQPIFPSSDDFYVEVERRSVQKSDQQNIKVPGNLTSVLLNNLHPREQYVVRARVNTKAQGEWSEDLT AWTLDILPPQPENIKISNITHSSAVISWTILDGYSISSITIRYKVQGKNEDQHVDVKIKNATITQYQLK GLEPETAYQVDIFAENNIGSSNPAFSHELVTLPESQAPADLGGGKMLL TRSGTRSGDYKDDDDKGSHHHHHH
Species:	Human
Serotype:	AAV-2
ACCN:	NM_000459
ORF Size:	2244 bp
Buffer:	PBS with 0.001% Pluronic F11419
Stability:	AAV is stable for 1 year when stored at -80°C (long-term storage) or 2-3 weeks when stored at -20°C (short-term storage). Thaw the vial of AAV on ice prior to use and keep it on ice during the experiment. Thawed AAV can be stored at 4°C for 1-2 weeks. Whenever possible, particles should be aliquoted into single use portions to avoid repeated freeze/thaw cycles. Please aliquot at least 10ul per tube and use low protein binding tubes to avoid loss of virus.
RefSeq:	NM_000459.4 , NP_000450.2
RefSeq Size:	4787 bp
RefSeq ORF:	3375 bp
Locus ID:	7010
UniProt ID:	Q02763
Cytogenetics:	9p21.2
MW:	83.1 kDa