

Product datasheet for RN203572

Elp1 (NM_080899) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Elp1 (NM_080899) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Elp1
Synonyms:	lkbkap
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN203572 representing NM_080899 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAGAAATCTGAAGTTGCATCAGACCCTGGAATTTAGGGACATTCAGGCACCAGGAAACCTCAGTGTT
TCTGTCTGCGAGCTGAACAGGGGACAGTCTGATTGGCTCAGAACGTGGACTGACAGAAGTAGATCTCTGT
GAAAAAGAAGTGAAGACTGAAATTTCTTTGGTGGCAGAAGGTTTCTTCCAGAGGATGGAAGTGGCTGC
ATTGTGGGTATTCAAGACTTGTGGATCAAGAATCTGTGTGTGGCCACTGCCTCTGGGACGTCATAG
TCTGCAATGTCAGCACACAGCAGCTGGAATGTGTTGGGAATGTGGCCAGTGGTATCTCTGTGCATGAGCTG
GAGTCTGATCAAGAAGTCTGTGCTTGGCCACAGCTCAACAGACCCTGATTATGATGACAAGAGACTAT
GAAGTAATCACAGAGCAGCAGATCCACCAGGATGATTTTGGAGAAGGCAAGTTTATCACCGTTGGATGGG
GCAGTAAGGACACGCAGTCCACGGCTCAGAAGGCAGGCCAATAACCTTCCGGTGCAAATGCATGAGTC
TGCCTTGTCTGGGATGACCACAGACCACAAATACCTGGCGTGGGGATGGGCAATTTTTGCTGTGAGT
GTTGTTTGTCTACAAACAGGGGCTCGGAAAAATCCGAGTATGGAACCGAGAGTTTGCCTTGCAAGTCAACCA
GGATAAACCCAACAGCAAGACGTTGTGTTTTTGGAAAAATGGACTTCTTCATGGGTATTTTACACTT
CCTTTCTGAAAGATGAAGTTAAGGTAATGACTTGTGTGGAATGCAGATTCTCGGTGCTTGGCTGTGT
GGCTAGAAGACCTCCCGAAGGAAGGCAGTTCCTCTGAAAAGCTATGTCCAGCTCTGGACCGTGGGGAA
CTACTACTGGTATCTCAAGCAAAGCCTGCCCTTCAACACCGGGGAAGAACCAGATCGTGTCTCTGCTG
TGGGACCCAGTGACGCCGGCCGACTGCATGTTCTCTGTCAGGGCTGGCGGTATCTATGCTGTGACTGGC
ACTGGACCACTGATCGGAGCTCTGGAATAGTGCCGATGACCTGGCAAATGTGGCTGTCATTGATGGAAA
CAAGGTGTTGGTAACAGTCTTCCAGCGGACTGTGACCCACCTCCATGTGTACCTACCGGCTGCTGATC
CCACATCCAGTGAATCAAGTCATGTCCTCTGCTCACCTTGGAAAATGACCTTGCTGTCCTTGACGCCAGTA
ACCAGATTTCTGTCTACAAGTGTGATGATAAACACAGACATGGATTCCACAGTGAAACTAGGAGCTGTGGG
TGGAACTGGATTTAAAGTTCCTCTTAGAACACCTCATCTGGAAAAAGATACAGGATTCAGTTTGGGAAC
AAGGAAGAGGAGGAGGATGTAAGCCCACTGCAATTTTCGATTTCTCACCTGGATTGAAGGTGACGCTTTCC



TGGCCATAAGCCACAGTCACTCCAGCCACAGTCCATCATTACCATCTGACTATGGCCGGTTCTGAGGG
 GGATGAGGAACAAGGACAGCTGAATGTCAGTTCATCTGTGACAGTGGATGGAGTTGTCATTGGTTTATGT
 TGCTGTTCTAAGACCAAGTCATCAGCAGTACAGCTGGCTGACGGCCAGGTGCTCAAGTACCTTTGGGAGT
 CGCCTTCTTCGGCTGTGGAGCCCTGGAAGAAGTCTGAAGGGCGTCTGTCCGATTTGCTCGTCCATGCAC
 CCAGATGGAAGCAGCCGCCATTGGAGGGGAGGAATGTGTCTTGGTCTGACCGACAGGTGTCGCTTTTTC
 ATCAACGACACTGAGGTTGCATCAAATATCACGTCATTTGCAGTGTGTGATGACTTTCTACTGGTGACAA
 CCCATTCCCACACTGCCAGTGTCTCTCTAAGTGGTGCCTCACTTAAAATGCTGCAGGCAGGTCTGTG
 TGGCAGTCAGGTGCCAGTGGAGAGATTCTGAGGAAGGTGGAGAGGGGTTCCCGGATCGTCACAGTCGTC
 CCCCAGGACACAAAGCTTATACTCCAGATGCCAGGGGGAAGTGGAGGTTGTTTCATCATCGGGCCTTGG
 TCTTGGCTCAGATTTCGGAAGTGGCTGGACAACTTATGTTTAAAGAAGCGTTTGAATGCATGAGGAACT
 GAGAATTAACCTCAATCTGATTCATGATCATAACCCCAAGGTGTTTCTTAAAAATGTGGAACCTTCATA
 AAACAGATTGATTCTGTAATCATCTAACTTGTTTTTACAGAACTAAAGGAAGAAGATGCACAAAGA
 CCATGTACCTCCCGGTTACCAAGAGTGTCCAGGTGCCACAAATCCTGATGGAAGAAAGTTGACCT
 CATCTGTGACGCTATGAGAGTGGCCATGGAGACCATCAATCCTCGCAAGTTCGCTGTCCATACTCACA
 TCTCATGTGAAGAAGCAGCTCCAGAAGTGGACATTGTGTGCAGAAAGTACACGAACTTCAAGGAAAAA
 TTCCCTTTGTTCCCTGAGAGTGTGAGTGCAGAGGAGGCTTTGAAATACCTGCTGCTCTGGTATAGTTAA
 TGAATTATTTAATCATTCTCTGGGACCTATGACTTTGATTTGGTCTCATGGTAGCTGAGAAGTACAA
 AAGGATCCTAAGGAATATCTTCCATTTCTAATACACTTAAGAAAATGGAAGTAAATACCAACGGTTCA
 CCATAGACAAGTACTTGAACGATATGAAAAGGCCCTTGGACACCTCAGCAAGTGTGGACCTGAGTATTT
 CACAGAATGCTTAAATTTGATAAAAAGATAAAAAGTGTATAAAGAAGCTCTGAAGTTATATCGGCCAGAC
 TCACCACAGTACCAGGCGGTGAGTGTGCTTATGGCGAGCACCTGGTGCAGGAGCTCCTGTACGAGCCAG
 CAGGGCTTGTGTTTCCCGCTGTGGGGCCATGAGAAGGCTCTGGAAGCGTTTTTGGCTTGTGGCAGCTG
 GCAGCAAGCCCTTTGATGGCTGCCAGCTTCCAGATGGCCAAAGACAAGTGGCTGGCCTTGTAGAACT
 CTGGCAGGAAAGCTGGTGCAGCAGAGGAAACACAGTGCAGCAGCAACAGTCTGGAACAGTACGCCCTGG
 ATTATGAAGAAGCCGTGCTCTTGTGCTAGAAGGATCTGCCTGGGAAGAAGCTCTGAGGCTGGTATACAA
 GTATGACAGAGTGGATATTATAGAAAACAGCGTAAAGCCTTCCATTTTGAAGCCCAAAAAAATTACATG
 GACTTTCTGGACTCTCAGACAGCCACATTCATTCGCCATAAAAACCGCTTGAAGTGGTTGAGAGCTCA
 AGAGCCAACGACCACGGGTGCATGTGGATCACGAGGTGGCCATGGCCGAGAGACGGACCTTCTCGGA
 AACAGCAGTATTAGGAGTGGCAGCGAGATGAGTGGCAGATACTCCACAGTAACTCCAGGATATCTGCG
 AGGTCATCTAAAACCGCCGCAAGGCAGAACGGAAGAAGCATAGCCTCAAAGAAGGGAGCCCTTGGAGG
 GCCTGGCACTTCTGGAGGCGCTGAGTGAAGTGGTACAGAGCATTGAGAAGCTGAAAGATGAAGTGCACGC
 TATTTTAAAGGTGCTCTTCTCTTTGAGTTCGAAGAGCAAGCAAGGGAGTTACAGAGGGCCTTTGAGAGT
 ACTCTGCAGCTGATGGGACGGCACTTCCAGACATCTGGACTCTCACCGCCAACAGAGTTCATCCACAC
 CTGTCTAGGTCCAGTTCCTGATGATAGTATCATGGCTTCTTACCAGCAGCAGAAGACTTGTGTCCC
 TGTCTCGATGCTTGGGCTTGTGGCCACCAAGATCGACCAGAGAAGCCAGTGGAAAGCTGAGCCTGCTG
 GAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_080899
- Insert Size:** 3996 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:

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_080899.1](#), [NP_543175.1](#)

RefSeq Size: 4645 bp

RefSeq ORF: 3996 bp

Locus ID: 140934

UniProt ID: [Q8VHU4](#)

Cytogenetics: 5q24

Gene Summary: mutation of gene is associated with autosomal recessive disorder familial dysautonomia (FD) [RGD, Feb 2006]