

Supplemental

Human BNIP3 FL (NM_004052):

1 - ATGTCGCAGAACGGAGCGCCCGGGATGCAGGAGGAGAGCCTGCAGGGCTCCTGGGTAGAA - 60
1 - M S Q N G A P G M Q E E S L Q G S W V E - 20

61 - CTGCACTTCAGCAATAATGGGAACGGGGCAGCGTTCCAGCCTCGGTTTCTATTTATAAT - 120
21 - L H F S N N G N G G S V P A S V S I Y N - 40

121 - GGAGACATGGAAAAATACTGCTGGACGCACAGCATGAGTCTGGACGGAGTAGCTCCAAG - 180
41 - G D M E K I L L D A Q H E S G R S S S K - 60

181 - AGCTCTCACTGTGACAGCCCACCTCGCTCGCAGACACCACAAGATACCAACAGAGCTTCT - 240
61 - S S H C D S P P R S Q T P Q D T N R A S - 80

241 - GAAACAGATACCCATAGCATTGGAGAGAAAAACAGCTCACAGTCTGAGGAAGATGATATT - 300
81 - E T D T H S I G E K N S S Q S E E D D I - 100

301 - GAAAGAAGGAAAGAAGTTGAAAGCATCTTGAAGAAAACTCAGATTGGATATGGGATTGG - 360
101 - E R R K E V E S I L K K N S D W I W D W - 120

361 - TCAAGTCGGCCGGAAAAATATTCCCCCAAGGAGTTCCCTCTTTAAACACCCGAAGCGCACG - 420
121 - S S R P E N I P P K E F L F K H P K R T - 140

421 - GCCACCCTCAGCATGAGGAACACGAGCGTCATGAAGAAAGGGGCATATTCTCTGCAGAA - 480
141 - A T L S M R N T S V M K K G G I F S A E - 160

481 - TTTCTGAAAGTTTTTCCTTCCATCTCTGCTGCTCTCTCATTTGCTGGCCATCGGATTGGGG - 540
161 - F L K V F L P S L L L S H L L A I G L G - 180

541 - ATCTATATTGGAAGGCGTCTGACAACCTCCACCAGCACCTTTTGA - 585
181 - I Y I G R R L T T S T S T F * - 200

Human BNIP3ΔExon2 (MF593120):

1 - ATGTCGCAGAACGGAGCGCCCGGGATGCAGGAGGAGAGCCTGCAGGCCACCTCGCTCGC - 60
1 - M S Q N G A P G M Q E E S L Q A H L A R - 20

61 - AGACACCACAAGATACCAACAGAGCTTCTGAAACAGATACCCATAGCATTGGAGAGAAAA - 120
21 - R H H K I P T E L L K Q I P I A L E R K - 40

121 - ACAGCTCACAGTCTGAGGAAGATGATATTGAAAGAAGGAAAGAAGTTGAAAGCATCTTGA - 180
41 - T A H S L R K M I L K E G K K L K A S * - 60

Human BNIP3Δ(Exon2+Exon3)

1 - ATGTCGCAGAACGGAGCGCCCGGGATGCAGGAGGAGAGCCTGCAGGTCTGAGGAAGATGA - 60
1 - M S Q N G A P G M Q E E S L Q V * G R * - 20

61 - TATTGAAAGAAGGAAAGAAGTTGAAAGCATCTTGA - 95
21 - Y * K K E R S * K H L * - 40

Mouse Bnip3 FL (NM_009760) :

1 - ATGTCGCAGAGCGGGGAGGAGAACCTGCAGGGCTCCTGGGTAGAACTGCACTTCAGCAAT - 60
1 - M S Q S G E E N L Q G S W V E L H F S N - 20

61 - GGCAATGGGAGCAGCGTTCCAGCCTCCGTCTCTATTTATAATGGTGACATGGAAAAATA - 120
21 - G N G S S V P A S V S I Y N G D M E K I - 40

121 - CTGTTGGATGCCCAGCATGAATCTGGACGAAGTAGCTCCAAGAGTTCTCACTGTGACAGC - 180
41 - L L D A Q H E S G R S S S K S S H C D S - 60

181 - CCACCTCGCTCCCAGACACCACAAGATACCAACAGAGCTGAAATAGACAGCCACAGCTTT - 240
61 - P P R S Q T P Q D T N R A E I D S H S F - 80

241 - GCGAGAAAAACAGCACTCTGTCTGAGGAAGATTATATTGAGAGAAGAAGAGAAGTTGAA - 300
81 - G E K N S T L S E E D Y I E R R R E V E - 100

301 - AGTATCCTGAAGAAAACTCAGATTGGATATGGGATGGTCAAGTCGACCAGAAAATATT - 360
101 - S I L K K N S D W I W D W S S R P E N I - 120

361 - CCCCCAAGGAGTTCCTTTTTAAACACCCGAAGCGCACAGCTACTCTCAGCATGAGAAAC - 420
121 - P P K E F L F K H P K R T A T L S M R N - 140

421 - ACAAGCGTTATGAAGAAAGGGGAATTTTCTCAGCAGACTTTCTGAAGGTTTTCTTCCA - 480
141 - T S V M K K G G I F S A D F L K V F L P - 160

481 - TCTCTGTTACTGTCTCATCTGCTGGCCATTGGCTGGGGATCTACATTGGAAGGCGTCTG - 540
161 - S L L L S H L L A I G L G I Y I G R R L - 180

541 - ACAACTTCCACTAGCACCTTCTGA - 564
181 - T T S T S T F * - 200

Mouse Bnip3ΔExon3 (MF156210) :

1 - ATGTCGCAGAGCGGGGAGGAGAACCTGCAGGGCTCCTGGGTAGAACTGCACTTCAGCAAT - 60
1 - M S Q S G E E N L Q G S W V E L H F S N - 20

61 - GGCAATGGGAGCAGCGTTCCAGCCTCCGTCTCTATTTATAATGGTGACATGGAAAAATA - 120
21 - G N G S S V P A S V S I Y N G D M E K I - 40

121 - CTGTTGGATGCCCAGCATGAATCTGGACGAAGTAGCTCCAAGAGTTCTCACTGTGACAGT - 180
41 - L L D A Q H E S G R S S S K S S H C D S - 60

181 - CTGAGGAAGATTATATTGAGAGAAGAAGAGAAGTTGAAAGTATCC**TGA** - 228
61 - L R K I I L R E E E K L K V S * - 80

Mouse Bnip3Δ(Exon2+Exon3)

1 - ATGTCGCAGAGCGGGGAGGAGAACCTGCAGGTCTGAGGAAGATTATATTGAGAGAAGAAG - 60
1 - M S Q S G E E N L Q V * G R L Y * E K K - 20

61 - AGAAGTTGAAAGTATCC**TGA**-
21 - R S * K Y P *