1   10   20   30   40   50   60   70   80

M L G P A T F L P L T A A L L L L I P G G R A Q F P R Q C V T P E A L R S G Q C C P G L F P A L T P D P A D R C G A S V G R G R C A P L Q V D A R P H G P Q Y P H D G V D D R E

Exon 2

90   100   110   120   130   140   150   160   170

Q W P T R F F N N S C L C A E N F S G Y D C G S C K P G W V G V N C N Q R V L A V R R N I L D L T A Q E R R F I A A L D L A K R T T H P H Y V I A S R R Y A E I M G P D G N S

Exon 2   Exon 3

180   190   200   210   220   230   240   250   260

T Q F E N V S I Y N F F V W T H Y Y S I G K T F L G A G R E S F G G I D F S H E G P A F V T W H R Y H L L Q L E R D M Q E M L Q D P T F A L P Y W N F A I G G N E C D I C T D D

Exon 3   Exon 4

270   280   290   300   310   320   330   340   350

F M G A R S N F D S I L L S S N S V F S Q W R V L C E S L E D Y D T L G T I C N S T E G G P I R R N P G G N V A R P M V Q R L P E P Q D V A L C L E V G L F D T P P F Y S N S S

Exon 4   Exon 5

360   370   380   390   400   410   420   430   440

E S F R N T V E G Y S E P S G K Y D P S V R S L H N L A H L F L N G T G G Q T H V S P N D P I F V L L H T F T D A V F D E W L R R H N A D I S L Y P L E N A P I G H N R Q Y N M

Exon 5   Exon 6   Exon 7

E D K L T C P L M T L Y L F F C T R L L M Q Y L T N G

Frameshift Altered Copper Sequence   ← **Stop Codon Copper Sequence**

450   460   470   480   490   500   510   520

V P F W P P V S N N E M F V T A P E S L G Y S Y E V Q W P S R A L N F T E I I T I A V V A A L V L V A V I F A A A S C A V H R S R K D D V H Q P L L G E Q Y P R Y S E E Y E R D

Exon 7   Exon 8

530   535

A S Q S A V *

Exon 8