Analysis of PTPS31 in order to predict a full length sequence

Consensus promoter sequence (Score 0.99)

tcactgtc
cntatataggtggacta
cagctgtcactaaatcatatataTM

MRRM
HCS AGVGR
Stop

Exon structure of PTP domain

S31D
S31C
S31F (1)
S31F (2)
S31F (3)

Encodes predicted non-transmembrane proteins
Encodes predicted transmembrane proteins

Overlapping genomic clones

AC083812.24
AC074031.16

hPTPS31 (Predicted):
Clone S31F(Var1):
Clone S31F(Var2):
Clone S31F(Var3):
Clone S31D:
Clone S31C:

Known genes:
Ensembl:
Twinscan:
Genscan:

Automated Gene Predictions

Human mRNA AF169351:
Spliced hEST BM750287:
Unspliced hESTs:
Rat mRNA PTPGM1:
Rat mRNA PTPGM1:

Human/Mouse evolutionary conservation

Missassembly, 3 exons present on the opposite DNA strand