

EXTRACELLULAR DOMAIN (35 residues)

NH_2 - MANSASPEQNQNHC SAINNSIPLMQGNLPTLTL SG-

TRANSMEMBRANE LOOPS (293 residues)

KIRVTVTFFLFLLSATFNASFLKLQKWTQKKEKGKKLSRMKLLLKHLTL
ANLLETIVMPLDGMWNITVQWYAGELLCKVLSYLKLF SMYAPAFMMVVI
SLDRSLAITRPLALKSNSKVGQSMVGLAWILSSVFAGPQLYIFRMIHLAD
SSGQTKVFSQCVTHCSFSQWWHQAFYNFFTF SCLFIIPLFIMLICNAKII
FTLTRVLHQDPHELQLNQSKNNIPRARL KTLKMTVAFATSFTVCWTPYYV
LGIWYWFDPEMLNRLSDPVNHFFFLFAFLNPCFDPLIYGYFSL -COOH

Figure 2-29. Amino acid sequence of the human pituitary GnRH receptor. Two sites of potential N-glycosylation exist - one in the N-terminal extracellular domain and one in the first exoplasmic loop (bold).