

June 24, 2015

## STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (BC-85) CROTEDUMAB

PRONUNCIATION kroe ted' ue mab

THERAPEUTIC CLAIM Treatment of diabetes

## CHEMICAL NAMES

1. Immunoglobulin G4, anti-(human glucagon receptor) (human monoclonal REGN1193 heavy chain), disulfide with human monoclonal REGN1193  $\kappa$ -chain, dimer
2. Immunoglobulin G4-kappa, anti-(human glucagon receptor (GL-R)); human monoclonal antibody:  $\gamma$ 4 heavy chain (1-455) [human VH (IGHV3-7\*01–(IGHD)-IGHJ6\*01) (93%) [8.8.21] (1-128) –IGHG4\*01 H[S<sup>10</sup>>P (236)] (129-455) (142-214')-disulfide with kappa light chain (1'-214') [human V-KAPPA (IGKV1-17\*01-IGKJ3\*01) (96%) [6.3.9] (1'-107') -IGKC\*01 (108'-214')] dimer (234-234":237-237")-bisdisulfide

## STRUCTURAL FORMULA

## Heavy chain

EVQLVESGGG	LVQPGGSLRL	SCAASGFTFS	NYLMNWVRQA	PGKGLEWLAN	50
IQEDGIEKYY	VDSVKGRTTI	SRDNAKNSLY	LQMNSLRAED	TAVYYCAREP	100
SHYDILTGVD	YYGMDVWGQ	GTTVTVSSAS	TKGPSVFPLA	PCSRSTSEST	150
AALGCLVKDY	FPEPVTVSWN	SGALTSQVHT	FPAVLQSSGL	YLSLSSVTVFP	200
SSSLGTKTYT	CNVDHKPSNT	KVDKRVESKY	GPPCPPCPAP	EFLGGPSVFL	250
FPPKPKDTLM	ISRTPEVTCV	VVDVSEQEDPE	VQFNWYVDGV	EVHNAKTKPR	300
EEQFNSTYRV	VSVLTVLHQD	WLNQKEYKCK	VSNKGLPSSI	EKTIISKAKGQ	350
PREPQVYTLF	PSQEEEMTKNQ	VSLTCLVKGF	YPSDIAVEWE	SNGQPENNYK	400
TTPPVLDSDG	SFFFLYSRLTV	DKSRWQEGNV	FSCSVMHEAL	HNHYTQKSL	450
LSLGK					455

## Light chain

DIQMTQSPSS	LSASVGRVTV	ITCRASQGIR	NDLGWYQQKP	GKAPKRLIYA	50'
ASSLQSGVPS	RFSGSGSGTE	FILTVSSSLQP	EDFATYYCLQ	YNSNPFTFGP	100'
GTKVDIKRTV	AAPSVEIFPP	SDEQLKSGTA	SVVCLLNIFY	PREAKVQWKV	150'
DNALQSGNSQ	ESVTEQDSKD	STYSLSSTLT	LSKADYEKHK	VYACEVTHQG	200'
LSSPVTKSFN	RGEC				214'

## Disulfide bridges

22-96	22"-96"	23'-88'	23"-88"	134'-194'	134"-194"	142-214'	142"-214"
155-211	155"-211"	234-234"	237-237"	269-329	269"-329"	375-433	375"-X"

## Glycosylation sites (N)

Asn-305 Asn-305"

MOLECULAR FORMULA  $C_{6518}H_{10044}N_{1732}O_{2052}S_{46}$ 

MOLECULAR WEIGHT 147.0 kDa

TRADEMARK None as yet

SPONSOR Regeneron Pharmaceuticals

CODE DESIGNATIONS REGN1193

CAS REGISTRY NUMBER 1452387-69-7

UNII 4JQ68PW6XF

WHO NUMBER 10196

GBK