

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (FG-71) PRASINEZUMAB

PRONUNCIATION pras" i nez' ue mab

THERAPEUTIC CLAIM Treatment of Parkinson's disease

CHEMICAL NAMES

1. Immunoglobulin G1, anti-(human α -synuclein) (humanized clone PRX002 γ 1-chain), disulfide with humanized clone PRX002 κ -chain, dimer
2. Immunoglobulin G1-kappa, anti-(*Homo sapiens* Alpha-synuclein (NACP)); humanized monoclonal antibody; γ 1x heavy chain (1-446) [humanized VH (*Homo sapiens* IGHV3-23*04 (88%) –(IGHD)-IGHJ4*01) [8.8.9] (1-116) -*Homo sapiens* IGHG1*03 (117-446)] (219-220')-disulfide with κ light chain (1'-220') [humanized V-KAPPA (*Homo sapiens* IGKV1-16*01 (81%) –IGKJ4*01 (92%))][12.3.9] (1'-113') -*Homo sapiens* IGKC*01 (114'-220')]; dimer (225-225":228-228")-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

EVQLVESGGG	LVQPGGSLRL	SCAASGFTFS	NYGMSWVRQA	PGKGLEWVAS	50
ISSGGGSTYY	PDNVKGRFTI	SRDDAKNSLY	LQMNSLRAED	TAVYYCARGG	100
AGIDYWGQGT	LVTVSSASTK	GPSVFPLAPS	SKSTSGGTAA	LGCLVKDYFP	150
EPVTVSWNSG	ALTSGVHTFP	AVLQSSGLYS	LSSVTVTPSS	SLGTQTYICN	200
VNHKPSNTKV	DKRVEPKSCD	KTHTCPPCPA	PELLGGPSVF	LFPPKPKDTL	250
MISRTPEVTC	VVVDVSHEDP	EVKFNWYVDG	VEVHNAKTKP	REEQYNSTYR	300
VVSVLTVLHQ	DWLNGKEYKC	KVSNKALPAP	IEKTIISKAKG	QPREPQVYTL	350
PPSREEMTKN	QVSLTCLVKG	FYPSDIAVEW	ESNGQPENNY	KITPPVLDSD	400
GSFFLYSKLT	VDKSRWQQGN	VFSCSVMHEA	LHNHYTQKSL	SLSPGK	456

Light chain

DIQMTQSPSS	LSASVGDRVT	ITCKSIQTLT	YSSNQKNYLA	WFQQKPGKAP	50'
KLLIYWASIR	KSGVPSRFSG	SGSGTDFTLT	ISSLQPEDLA	TYQCQQYYSY	100'
PLTFGGGTKL	EIKRTVAAPS	VFIFPPSDEQ	LKSGTASVVC	LLNNFYPREA	150'
KVQWKVDNAL	QSGNSQESVT	EQDSKDYSTYS	LSSLTTLTSLKA	DYKHKVYAC	200'
EVTHQGLSSP	VTKSFNRGEC				220'

Disulfide bridges location

22-96	22"-96"	23'-94'	23"-94"	140'-200'	140"-200"	143-199	143"-199"
219-220'	219"-220"	225-225"	228-228"	260-320	260"-320"	366-424	366"-424"

Glycosylation sites (N)

Asn-296 Asn-296'

MOLECULAR FORMULA C₆₄₅₂H₉₉₉₄N₁₇₁₈O₂₀₁₄S₄₄

MOLECULAR WEIGHT 145.3 kDa

TRADEMARK None as yet

SPONSOR	Genentech/Roche
CODE DESIGNATIONS	RG7935, RO7046015
<u>CAS</u> REGISTRY NUMBER	1960462-19-4
UNII	P3Z0Z3P1ZI
WHO NUMBER	10680

gbk