

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (HI-139) CENDAKIMAB
 PRONUNCIATION sen dak' i mab
 THERAPEUTIC CLAIM Treatment of eosinophilic esophagitis
 CHEMICAL NAMES

1. Immunoglobulin G1[240-alanine, 241-alanine], anti-(human interleukin 13) (human-*Mus musculus* monoclonal RPC4046 γ -1), disulfide with human-*Mus musculus* monoclonal RPC4046 κ -1, dimer
2. Immunoglobulin G1-kappa, anti-(*Homo sapiens* Interleukin-13 (IL-13)); humanized monoclonal antibody; γ 1 heavy chain (1-453) [VH (*Homo sapiens* IGHV2-5*09 (81%) –(IGHD)-IGHJ4*01) [10.7.15] (1-123) -*Homo sapiens* IGHG1*03 {CH1[R⁹⁷>K(220)],CH2[L⁴>A(240),L⁵>A(241)] (124-453)] (226-214')-disulfide with κ light chain (1'-214') [V-KAPPA (*Homo sapiens* IGKV1-33*01 (85%) –IGKJ4*01)[6.3.9] (1'-107') -*Homo sapiens* IGKC*01 (108'-214')], dimer (232-232':235-235')-bisdisulfide

STRUCTURAL FORMULA

Heavy chain							
EVTLRRESGPG	LVKPTQTLTL	TCTLYGFSL	TSDMGVDWIR	QPPGKGLEWL	50		
AHIWDDVVKR	YNPALKSRLT	ISKDTSKNQV	VLKLTSDVPV	DTATYYCART	100		
VSSGYIYYAM	DYWGQGTLV	VSSASTKGPS	VFPLAPSSKS	TSGGTAALGC	150		
LVKDYFPEPV	TVSWNSGALT	SGVHTFPAVL	QSSGLYSLSS	VVTVPSSSLG	200		
TQTYICNVNH	KPSNTKVDKK	VEPKSCDKTH	TCPPCPAPEA	AGGPSVFLFP	250		
PKPKDTLMIS	RTPEVTCVVV	DVSHEDPEVK	FNWYVDGVEV	HNAKTKPREE	300		
QYNSTYRVVS	VLTVLHQDWL	NGKEYKCKVS	NKALPAPIEK	TISKAKGQPR	350		
EPQVYTLPPS	REEMTKNQVS	LTCLVKGFYP	SDIAVEWESN	GQPENNYKTT	400		
PPVLDSDGSF	FLYSKLTVDK	SRWQQGNVFS	CSVMHEALHN	HYTQKSLSLS	450		
PGK					453		
Light chain							
DIQMTQSPSS	LSASVGDVRT	ISCRASQDIR	NYLNWYQQKP	GKAPKLLIFY	50'		
TSKLSHSGVPS	RFSGSGSGTD	YTLTISSLQP	EDIATYYCQQ	GNTLPLTFGG	100'		
GTKVEIKRTV	AAPSVFIFPP	SDEQLKSGTA	SVVCLLNNFY	PREAKVQWKV	150'		
DNALQSGNSQ	ESVTEQDSKD	STYLSLSTLT	LSKADYEKHK	VYACEVTHQG	200'		
LSSPVTKSFN	RGEC				214'		
Disulfide bridges location							
22-97	22"-97"	23'-88'	23"'-88'"	134'-194'	134"'-194'"	150-206	150"-206"
214'-226	214"'-226'"	232-232"	235-235"	267-327	267"'-327'"	373-431	373"-431"
Glycosylation sites (N)							
Asn-303	Asn-303"						

MOLECULAR FORMULA $C_{6508}H_{10116}N_{1724}O_{2028}S_{44}$. (non-glycosylated)

MOLECULAR WEIGHT 146.37 kDa (non-glycosylated)

TRADEMARK None

SPONSOR	Celgene
CODE DESIGNATIONS	RPC-4046, ABT-308, CC-93538
<u>CAS</u> REGISTRY NUMBER	2151032-62-9
UNII	O8R9U9ZUVN
WHO NUMBER	10990

gbk