

Burgess Supplementary Tables

Table S1. Percent similarity between HGF from different mammalian species

	Human HGF	Cynomolgus Monkey HGF	Rabbit HGF	Mouse HGF
Human HGF	100%	98%	93%	90%
Cynomolgus Monkey HGF	-	100%	92%	90%
Rabbit HGF	-	-	100%	92%
Mouse HGF	-	-	-	100%

Table S2. HGF chimera and mutant descriptions, and primer sequences

HGF Chimera or Mutant Designation	Amino Acid Numbers		Primer Sequence	Primer Location
	Human Sequences	Mouse Sequences		
Human full length*	33 to 728	None	ATG CGG CCG CAC AAA GGA AAA GAA GAA ATA CAA TTC	hHGF n-terminal + NotI
			ATG GGA TCC CTA TGA CTG TGG TAC CTT ATA TG	hHGF c-terminal + BamHI
Mouse full length†	None	33 to 728	ATG ATG GCG GCC GCT CAG AAG AAA AGA AGA AAT ACA CTT C	mHGF n-terminal + NotI
			CGG GAT CCT TAC AAC TTG TAT GTC AAA ATT AC	mHGF c-terminal + BamHI
Ch 1 HGF	129 to 728	33 to 128	ATG CGT CTC ATG CAT CAT TGG TAA AGG ACG C	hHGF aa129-3'
			ATG CGT CTC ATG CAG TTT CTA ATA TAG TCT TTG TTT TC	mHGF 5'-aa128
Ch 2 HGF	213 to 728	33 to 212	ATG CGT CTC ATG CAT GAC CTG CAA TGG GGA G	hHGF aa213-3'
			ATG CGT CTC ATG CAT TCA ACT TCT GAA CAC TGA	mHGF 5'-aa212
Ch 3 HGF	307 to 728	33 to 306	ATG CGT CTC ATG CAT CCA AGG TCA AGG AGA AG	hHGF aa307-3'
			ATG CGT CTC ATG CAT TCA GTT GTT TCC ATA GG	mHGF 5'-aa306
Ch 7 HGF	33 to 506;	507 to 585	ATG CGT CTC AAG CTT GCC AGG CCT GCT GT	hHGF aa586-3'
	586 to 728		ATG CGT CTC AAG CTT CAG TAA AAC CAA GTC TGA	mHGF 5'-aa585
Ch 8 HGF	507 to 585	33 to 506; 586 to 728	ATG CGT CTC AAG CTT CAT TAA AAC CAG ATC TGA	hHGF 5'-aa585
			ATG CGT CTC AAG CTT GCT	mHGF aa586-

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			CGA CCT GCA ATC	3'
G555E HGF	33 to 554; 556 to 728	555	ATG CGT CTC CTT TCG TGG ACA TCA TGA ATT CCA	hHGFG555E
			A	
			ATG CGT CTC CGA AAG AGG AGA TGA GAA ATG	hHGFG555E
			CAA A	
C561R HGF	33 to 560; 562 to 728	561	ATG CGT CTC GCG TTT CTC ATC TCC TCT TCC GT	hHGFC561R
			ATG CGT CTC AAA CGC AAA CAG GTT CTC AAT GTT	hHGFC561R
			T	
D592N HGF	33 to 591; 593 to 728	592	ATG CGT CTC AAT TAT CCA GGA CAG CAG GCC TG	hHGFD592N
			ATG CGT CTC ATA ATT TTG TTA GTA CGA TTG ATT TAC	hHGFD592N
			C	
N601S HGF	33 to 600; 602 to 728	601	ATG CGT CTC TAA CTA GGT AAA TCA ATC GTA CTA ACA	hHGFN601S
			ATG CGT CTC TAG TTA TGG ATG CAC AAT TCC TGA AA	hHGFN601S
R647Q HGF	33 to 646; 658 to 728	647	ATG CGT CTC CCT TGA TGA TGC TGG CTG CAT TTC	hHGFR647Q
			ATG CGT CTC TCA AGG GAA GGT GAC TCT GAA	hHGFR647Q
			TGA	
Human NK (insertion) HGF	33 to 728	2 amino acid insertion of mouse 540 to 541	ATG CGT CTC AAC AAA GAC TTG AAA GAT TAT GAA	hHGF NK insertion
			GCT TG	
			ATG CGT CTC TTT GTT TCG AGA AGG GAA ACA CTG	hHGF NK insertion
			TCG	
Mouse NK (deletion) HGF	None	33 to 539; 542 to 728	ATG CGT CTC AGA GAC TTG AAA GAC TAT GAA GCT	mHGF NK deletion
			TG	
			ATG CGT CTC GTC TCT GGC TGG AAA ACA TTG	mHGF NK deletion
			TCT T	

*Human HGF sequence, GenBank NM_000601

†Mouse HGF sequence, GenBank NM_010427

Abbreviations: NK, insertion or deletion of Asn-Lys; Ch, chimera.