

**Data Sheet**

**NAME:** HIV-1 gag – Subtype B/C CN54

**REPOSITORY REFERENCE:** EVA7080.1-121

**VIRUS STRAIN:** HIV-1 Subtype C/B (CN54)

**REGION OF HOMOLOGY:** gag

**SIZE:** 15mers with 11 amino acid overlap

**SPECIAL CHARACTERISTICS:** CN54 is derived from the Chinese isolate 97CN001, which is a C/B recombinant

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<b>EVA7080.1</b>	Cg1	MAARASILRGGKLDK	<b>EVA7080.62</b>	Cg248	AWMTSNPPVPVVDIY
<b>EVA7080.2</b>	Cg5	ASILRGGKLDKWEKI	<b>EVA7080.63</b>	Cg252	SNPPVPVVDIYKRWI
<b>EVA7080.3</b>	Cg9	RGGKLDKWEKIRLRP	<b>EVA7080.64</b>	Cg256	VPVVDIYKRWIILGL
<b>EVA7080.4</b>	Cg13	LDKWEKIRLRPGGKK	<b>EVA7080.65</b>	Cg260	DIYKRWIILGLNKIV
<b>EVA7080.5</b>	Cg17	EKIRLRPGGKKHYML	<b>EVA7080.66</b>	CBg264	RWIILGLNKIVRMYS

<b>EVA7080.6</b>	Cg21	LRPGGKKHYMLKHLV	<b>EVA7080.67</b>	CBg268	LGLNKIVRMYSPSTSI
<b>EVA7080.7</b>	Cg25	GKKHYMLKHLVWASR	<b>EVA7080.68</b>	Cg272	KIVRMYSPSTILDIK
<b>EVA7080.8</b>	Cg29	YMLKHLVWASRELER	<b>EVA7080.69</b>	Cg276	MYSPTSILDIKQGPK
<b>EVA7080.9</b>	Cg33	HLVWASRELERFALN	<b>EVA7080.70</b>	Cg280	TSILDIKQGPKEPFR
<b>EVA7080.10</b>	Cg37	ASRELERFALNPGLL	<b>EVA7080.71</b>	Cg284	DIKQGPKEPFRDYVD

<b>EVA7080.11</b>	Cg41	LRFALNPGLLETSE	<b>EVA7080.72</b>	Cg288	GPKEPFRDYVDRFFK
<b>EVA7080.12</b>	Cg45	ALNPGLLETSEGCKQ	<b>EVA7080.73</b>	Cg292	PFRDYVDRFFKTLRA
<b>EVA7080.13</b>	Cg49	GLLETSEGCKQIMKQ	<b>EVA7080.74</b>	Cg296	YVDRFFKTLRAEQAT
<b>EVA7080.14</b>	Cg53	TSEGCKQIMKQLQSA	<b>EVA7080.75</b>	Cg300	FFKTLRAEQATQGVK
<b>EVA7080.15</b>	Cg57	CKQIMKQLQSALQTG	<b>EVA7080.76</b>	Cg304	LRAEQATQGVKNWMT
<b>EVA7080.16</b>	Cg61	MKQLQSALQTGTEEL	<b>EVA7080.77</b>	Cg308	QATQGVKNWMTDTLL
<b>EVA7080.17</b>	Cg65	QSALQTGTEELRSLF	<b>EVA7080.78</b>	Cg312	GVKNWMTDTLLVQNA
<b>EVA7080.18</b>	Cg69	QTGTEELRSLFNTVA	<b>EVA7080.79</b>	Cg316	WMTDTLLVQANPDC
<b>EVA7080.19</b>	Cg73	EELRSLFNTVATPYC	<b>EVA7080.80</b>	CBg320	TLLVQANPDCCKTIL
<b>EVA7080.20</b>	Cg77	SLFNTVATPYCVHTE	<b>EVA7080.81</b>	Cg324	QANPDCCKTILRALG
<b>EVA7080.21</b>	Cg81	TVATPYCVHTEIDVR	<b>EVA7080.82</b>	Cg328	PDCKTILRALGPGAS
<b>EVA7080.22</b>	Cg85	PYCVHTEIDVRDTRE	<b>EVA7080.83</b>	Cg332	TILRALGPGASIEEM
<b>EVA7080.23</b>	Cg89	HTEIDVRDTREALDK	<b>EVA7080.84</b>	Cg336	ALGPGASIEEMMTAC
<b>EVA7080.24</b>	Cg93	DVRDTREALDKIEEE	<b>EVA7080.85</b>	Cg340	GASIEEMMTACQGVG
<b>EVA7080.25</b>	Cg97	TREALDKIEEEQNKI	<b>EVA7080.86</b>	Cg344	EEMMTACQGVGGPSH
<b>EVA7080.26</b>	Cg101	LDKIEEEQNKIQQKT	<b>EVA7080.87</b>	Cg348	TACQGVGGPSHKAKV
<b>EVA7080.27</b>	Cg105	EEEQNKIQQKTQQAK	<b>EVA7080.88</b>	Cg352	GVGGPSHKAKVLAEA
<b>EVA7080.28</b>	Cg109	NKIQQKTQQAKEADG	<b>EVA7080.89</b>	Cg356	PSHKAKVLAEAMSQT
<b>EVA7080.29</b>	Cg113	QKTQQAKEADGKVSQ	<b>EVA7080.90</b>	Cg360	AKVLAEAMSQTNSAI
<b>EVA7080.30</b>	Cg117	QAKEADGKVSQNYPI	<b>EVA7080.91</b>	Cg364	AEAMSQTNSAILMQR
<b>EVA7080.31</b>	Cg121	ADGKVSQNYPIVQNL	<b>EVA7080.92</b>	Cg368	SQTNSAILMQRSNFK
<b>EVA7080.32</b>	Cg128	VSQNYPIVQNLQGQM	<b>EVA7080.93</b>	Cg374	SAILMQRSNFKGSKR
<b>EVA7080.33</b>	Cg132	YPIVQNLQGQMVHQP	<b>EVA7080.94</b>	Cg378	MQRSNFKGSKRIVKC
<b>EVA7080.34</b>	Cg136	QNLQGQMVHQPISPR	<b>EVA7080.95</b>	Cg382	NFKGSKRIVKCFNCG
<b>EVA7080.35</b>	Cg140	GQMVHQPISPRTLNA	<b>EVA7080.96</b>	Cg386	SKRIVKCFNCGKEGH
<b>EVA7080.36</b>	Cg144	HQPISPRTLNAWVKV	<b>EVA7080.97</b>	Cg390	VKCFNCGKEGHIARN

<b>EVA7080.37</b>	CBg148	SPRTLNAWVKVVEEK	<b>EVA7080.98</b>	Cg394	NCGKEGHIARNCRAP
<b>EVA7080.38</b>	CBg152	LNAWVKVVEEKAFSP	<b>EVA7080.99</b>	Cg398	EGHIARNCRAPRKKG
<b>EVA7080.39</b>	CBg156	VKVVEEKAFSPEVIP	<b>EVA7080.100</b>	CBg402	ARNCRAPRKKGCWKC
<b>EVA7080.40</b>	CBg160	EEKAFSPEVIPMFSA	<b>EVA7080.101</b>	CBg406	RAPRKKGCWCKGKEG
<b>EVA7080.41</b>	CBg164	FSPEVIPMFSALSEG	<b>EVA7080.102</b>	CBg410	KKGCWCKGKEGHQMK
<b>EVA7080.42</b>	CBg168	VIPMFSALSEGATPQ	<b>EVA7080.103</b>	CBg414	WCKGKEGHQMKDCTE
<b>EVA7080.43</b>	CBg172	FSALSEGATPQDLNT	<b>EVA7080.104</b>	CBg418	KEGHQMKDCTERQAN

<b>EVA7080.44</b>	CBg176	SEGATPQDLNTMLNT	<b>EVA7080.105</b>	Cg422	QMKDCTERQANFLGK
<b>EVA7080.45</b>	CBg180	TPQDLNTMLNTVGG H	<b>EVA7080.106</b>	Cg426	CTERQANFLGKIWPS
<b>EVA7080.46</b>	CBg184	LNTMLNTVGGHQAA M	<b>EVA7080.107</b>	Cg430	QANFLGKIWPSHKGK
<b>EVA7080.47</b>	Cg188	LNTVGGHQAAQMILK	<b>EVA7080.108</b>	Cg434	LGKIWPSHKGPGNPF
<b>EVA7080.48</b>	Cg192	GGHQAAQMILKDTIN	<b>EVA7080.109</b>	Cg438	WPSHKGPGNPNLQNR
<b>EVA7080.49</b>	Cg196	AAMQILKDTINEEAA	<b>EVA7080.110</b>	Cg442	KGGPGNPNLQNRPEPT
<b>EVA7080.50</b>	Cg200	ILKDTINEEAAEWDR	<b>EVA7080.111</b>	Cg446	GNFLQNRPEPTAPPE
<b>EVA7080.51</b>	Cg204	TINEEAAEWDRHPV	<b>EVA7080.112</b>	Cg450	QNRPEPTAPPEESFR
<b>EVA7080.52</b>	Cg208	EAAEWDRHPVHAG P	<b>EVA7080.113</b>	Cg454	EPTAPPEESFRFEEE
<b>EVA7080.53</b>	Cg212	WDRHPVHAGPIAPG	<b>EVA7080.114</b>	Cg458	PPEESFRFEEETTP
<b>EVA7080.54</b>	CBg216	HPVHAGPIAPGQMRE	<b>EVA7080.115</b>	Cg462	SFRFEEETTPSQKQ
<b>EVA7080.55</b>	CBg220	AGPIAPGQMREPGS	<b>EVA7080.116</b>	Cg466	EEETTPSQKQEPID
<b>EVA7080.56</b>	CBg224	APGQMREPRGSDIAG	<b>EVA7080.117</b>	Cg470	TTPSQKQEPIDKELY
<b>EVA7080.57</b>	Cg228	MREPRGSDIAGTTSN	<b>EVA7080.118</b>	Cg474	QKQEPIDKELYPLTS
<b>EVA7080.58</b>	Cg232	RGSDIAGTTSNLQE	<b>EVA7080.119</b>	Cg478	PIDKELYPLTSLKSL
<b>EVA7080.59</b>	Cg236	IAGTTSNLQEQIAWM	<b>EVA7080.120</b>	Cg482	ELYPLTSLKSLFGND
<b>EVA7080.60</b>	Cg240	TSNLQEQIAWMTSNP	<b>EVA7080.121</b>	Cg486	LTSLKSLFGNDPSSQ
<b>EVA7080.61</b>	Cg244	QEQIAWMTSNPPVPV			