

### Amino acid sequences of ILDR2 recombinant proteins

#### 1. CGEN-15001HH-2 (human lead prototype, composed of human ECD fused to hlgG1 Fc)

- **Blue** letters highlighted in green – natural signal peptide, removed during secretion of the protein by the cells (not present in the therapeutic protein)
- **Blue** letters – the human ECD of ILDR2
- **Black** letters – human IgG<sub>1</sub> Fc with C220S mutation

MDRVLLRWISLFWLTAMVEGLQVTVPDKKKVAMLFQPTVLRCHFSTSSHQPAVVQWKFKSYCQDRMG  
ESLGMSSTRAQSLSKRNLEWDPYLDCLDSRRTVRVVASKQGSTVTLGDFYRGREITIVHDADLQIGKLM  
WGDSGLYYCIITTPDDLEGKNEDSVELLVLRGRTGLLADLLPSFAVEIMEPKSSDKTHTCPPCPAPELLGG  
PSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVL  
TVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPS  
DIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVVFSCSVMHEALHNHYTQKSLS  
LSPGK

#### 2. CGEN-15001 SP (green) + ECD (blue)

MDRVLLRWISLFWLTAMVEGLQVTVPDKKKVAMLFQPTVLRCHFSTSSHQPAVVQWKFKSYCQDRMG  
ESLGMSSTRAQSLSKRNLEWDPYLDCLDSRRTVRVVASKQGSTVTLGDFYRGREITIVHDADLQIGKLM  
WGDSGLYYCIITTPDDLEGKNEDSVELLVLRGRTGLLADLLPSFAVEIM

#### 3. CGEN-15001 ECD only (blue)

LQVTVPDKKKVAMLFQPTVLRCHFSTSSHQPAVVQWKFKSYCQDRMGESLGMSSTRAQSLSKRNLE  
WDPYLDCLDSRRTVRVVASKQGSTVTLGDFYRGREITIVHDADLQIGKLMWGDSGLYYCIITTPDDLEG  
KNEDSVELLVLRGRTGLLADLLPSFAVEIM

#### 4. CGEN-15001HM (surrogate molecule prototype, composed of human ECD, TEV linker, mlgG2a Fc)

- **Blue** letters highlighted in green – natural signal peptide
- **Blue** letters – the human ECD of ILDR2
- **Red** underlined letters – TEV linker surrounded by GS and SG
- **Black** letters – mlgG2a Fc (C57b1/6)

MDRVLLRWISLFWLTAMVEGLQVTVPDKKKVAMLFQPTVLRCHFSTSSHQPAVVQWKFKSYCQDRMG  
ESLGMSSTRAQSLSKRNLEWDPYLDCLDSRRTVRVVASKQGSTVTLGDFYRGREITIVHDADLQIGKLM  
WGDSGLYYCIITTPDDLEGKNEDSVELLVLRGRTGLLADLLPSFAVEIMGSENLYFQGSSGEPRGPTIKPCP  
PCKCPAPNLLGGPSVFIFPPKIKDVLMSLSPIVTCVVVDVSEDDPDVQISWVFNVEVHTAQTQTHRED  
YNSTLRVVSALPIQHQDWMSGKEFKCKVNNKDLPAPIERTISKPKGSRAPQVYVLPPEEEMTKKQVT  
LTCMVTDFMPEDIYVEWTNNGKTELNYKNTEPVLDSGYSYFMYSKLRVEKKNWVERNSYSCSVVHEGL  
HNHHTTKSFSRTPGK