



Example 1: Interferon alpha 2 b

Interferon alpha 2 b (IFN α 2b) is currently marketed in a PEGylated form as viraferonPEG or PEGintron. This form of PEGylated IFN α 2b is a heterogeneous, randomly PEGylated species which demonstrates decreased biological efficacy when compared to native IFN α 2b.

When site specifically PEGylated using the Almac ligation technology a homogeneous PEGylated IFN α 2b species is created with biological activity comparable to native IFN α 2b:

Figure 1: Schematic of site specific PEGylation of IFN α 2b

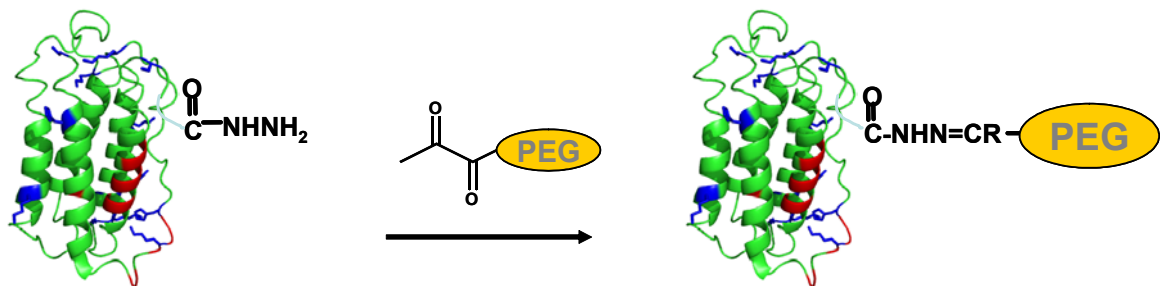


Figure 2: Western blot demonstrating the successful PEGylation of IFN α 2b

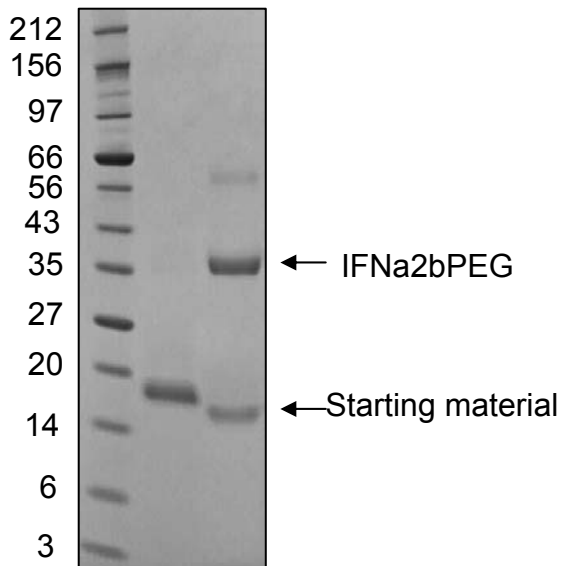


Figure 3: Antiviral Activity of Native and PEGylated species of IFN α 2b.

