ABSTRACT OF THE INVENTION

At least two substantially purified tumor necrosis factor (TNF) inhibitors are disclosed which are glycoproteins that are active against TNF. The isolation of 30kDa and 40KDa TNF inhibitors from urine is disclosed. The deglycosylated form of the 30kDa TNF inhibitor and 40kDa TNF inhibitor are described as being active against TNF. The 40kDa TNF inhibitor is active against both TNF alpha and TNF beta. The amino acid sequence of the 30kDa TNF inhibitor and the 40kDa TNF inhibitor are disclosed. Methods for isolating the TNF inhibitors from human U937 cell medium and producing the proteins by recombinant-DNA methods are also described.

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