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(54) Title: MOLECULES AND CHIMERIC MOLECULES THEREOF

(57) Abstract: The present invention relates generally to the fields of proteins, diagnostics, therapeutics and nutrition. More particularly, the present invention provides an isolated protein molecule such as EPO, Flt3-Ligand, Flt3, PDGF-B or VEGF-165 or chimeric molecules thereof comprising at least a portion of the protein molecule, wherein the protein or chimeric molecule has a profile of measurable physiochemical parameters which is indicative of, associated with or forms the basis of, one or more pharmacological traits. The present invention further contemplates the use of the isolated protein or chimeric molecule thereof in a range of diagnostic, prophylactic, therapeutic, nutritional and/or research applications.

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