

Title (en)
RECEPTOR RECOGNITION FACTORS, PROTEIN SEQUENCES AND METHODS OF USE THEREOF

Title (de)
REZEPTORERKENNUNGSFAKTOREN, DEREN PROTEIN SEQUENZEN UND VERWENDUNGEN

Title (fr)
SEQUENCE DE PROTEINES OU FACTEURS DE RECONNAISSANCE DE RECEPTEURS ET LEUR PROCEDE D'UTILISATION

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Abstract (en)
[origin: WO9508629A1] Receptor recognition factors exist that recognize the specific cell receptor to which a specific ligand has been bound, and that may thereby signal and/or initiate the binding of the transcription factor to the DNA site. The receptor recognition factor is in one instance, a part of a transcription factor, and also may interact with other transcription factors to cause them to activate and travel to the nucleus for DNA binding. The receptor recognition factor appears to be second-messenger-independent in its activity, as overt perturbations in second messenger concentrations are of no effect. The concept of the invention is illustrated by the results of studies conducted with interferon (IFN)-stimulated gene transcription, and particularly, the activation caused by both IFN alpha and IFN gamma . Specific DNA and amino acid sequences for various human and murine receptor recognition factors are provided, as are polypeptide fragments of two of the ISGF-3 genes, and antibodies have also been prepared and tested. The polypeptides confirm direct involvement of tyrosine kinase in intracellular message transmission. Numerous diagnostic and therapeutic materials and utilities are also disclosed.

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