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Interleukin 3 Receptor

National Cancer Institute

Source

National Cancer Institute. *Interleukin 3 Receptor*. NCI Thesaurus. Code C39273.

Heterodimeric human Interleukin 3 Receptor is composed of 378-aa 43-kDa (precursor) Interleukin 3 Receptor Alpha and GM-CSF/IL-3/IL-5 Receptor Common Beta-Chain. IL3RA is a type I membrane protein with a box 1 motif for JAK interaction/activation and a WSXWS motif for protein folding, intracellular transport, and cell-surface receptor binding. Receptor binding to IL3 depends on the signal transducing beta subunit, common to the high affinity IL3-, IL5- and GM-CSF receptors. (NCI)