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| --- | --- | --- |
|  | **Detected Component** | **Matching Percentage** |
| **InterPro-Domains** | Chemokine receptor family | 100% |
| G protein-coupled receptor, rhodopsin-like | 100% |
| GPCR, rhodopsin-like, 7TM | 100% |
| BLC2 family | 83.3% |
| BLC2-like | 83.3% |
| Death effector domain | 66.7% |
| Interleukin-6 receptor alpha, binding | 50% |
| Death domain | 100% |
| Apoptosis regulator, Bcl-2, BH2 motif, conserved site | 75% |
| Chemokine interleukin-8-like domain | 60% |
| **KEGG Pathway** | Chemokine signaling pathway | 40% |
| Cytokine-cytokine receptor interaction | 32.8% |
| NOD-like receptor signaling pathway | 31.3% |
| Apoptosis | 34.4% |
| Autoimmune thyroid disease | 71.4% |
| Huntington's disease | 66.7% |
| Systemic lupus erythematosus | 40% |
| Asthma | 50% |
| Intestinal immune network for IgA production | 25% |
| Cell adhesion molecules | 50% |
| Pathways in cancer | 70% |
| **Molecular Function** | Peptide receptor activity | 58.3% |
| Receptor activity | 52.2% |
| Growth factor activity | 60% |
| C-C chemokine binding | 66.7% |
| Tumor necrosis factor receptor superfamily binding | 40% |
| Death effector domain binding | 66.7% |
| Growth factor binding | 50% |
| Nucleic acid binding transcription factor activity | 75% |
| Chemokine activity | 77.8% |
| **Pfam Domains** | 7 transmembrane receptor, rhodopsin family | 100% |
| Apoptosis regulator proteins, Bcl-2 family | 83.3% |
| Death effector domain | 66.7% |
| Interleukin-6 receptor alpha chain, binding | 50% |
| Small cytokines (intecrine/chemokine), interleukin-8 like | 53.3% |
| Death domain | 100% |
| **Reactome Pathway** | Activation of DNA fragmentation factor | 66.7% |
| Interleukin-1 family precursors are cleaved by caspase-1 | 100% |
| Downstream TCR signaling | 100% |
| FasL/CD95L signaling | 100% |
| Exocytosis of platelet alpha granule contents | 100% |
| IRAK4 is activated by autophosphorylation | 75% |
| Beta defensins | 66.7% |
| TRAIL signaling | 66.7% |
| Interleukin-1 processing | 75% |
| FASL:FAS Receptor Trimer, FADD complex | 100% |