

Product datasheet for **TP726127**

IL18 Human Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant Human IL-18 |
| Species: | Human |
| Expression cDNA Clone or AA Sequence: | M1-D193 |
| Tag: | N-His |
| Buffer: | Supplied as a 0.2 µm filtered solution of PBS, pH7.4. |
| Note: | Recombinant Human IL-18 is produced by our E. coli expression system and the target gene encoding M1-D193 is expressed with a His tag at the N-terminus. |
| Storage: | Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles. |
| Stability: | 12 months from date of despatch |
| Locus ID: | 3606 |
| UniProt ID: | Q14116 |
| Summary: | Interleukin-18 (IL-18) is a secreted protein that belongs to the IL-1 family. IL-18 is a proinflammatory cytokine and can be expressed by multiple types of cells, including endothelial and epithelial cells, keratinocytes, gamma delta T cells, and phagocytes. This cytokine can modulate both innate and adaptive. Once binding to IL18R1 and IL18RAP, it can form a signaling ternary complex which activates NF-kappa-B, triggering synthesis of inflammatory mediators. The combination of IL-18 and IL-12 can induce IFNG synthesis from T-helper 1 (Th1) cells and natural killer (NK) cells. |


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