

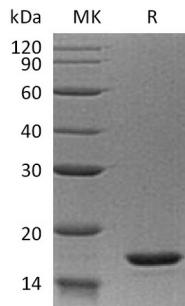


Product Name: Recombinant Human IL-20
Catalog #: PEH0899

概述 (Summary)

| | |
|-----------------------------|---|
| 英文全称 | IL-20 |
| 纯度 (Purity) | Greater than 95% as determined by reducing SDS-PAGE |
| 内毒素 (Endotoxin level) | <1 EU/μg as determined by LAL test. |
| 蛋白构建 (Construction) | Recombinant Human Interleukin-20 is produced by our E.coli expression system and the target gene encoding Leu25-Glu176 is expressed. |
| Accession # | Q9NYY1 |
| 蛋白标签 (Tag) | |
| 表达宿主 (Host) | E.coli |
| 种属 (Species) | Human |
| 预测分子量 (Predicted MW) | 17.7 KDa |
| 蛋白形态 (Form) | Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. |
| 储存缓冲液 (Buffer) | |
| 运输方式 (Shipping) | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below. |
| 稳定性&储存 (Stability &Storage) | Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months. |
| 复溶 (Reconstitution) | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |

电泳图 (SDS-PAGE image)



背景 (Background)

分子別名 (Alternative Names)

Interleukin-20; IL-20; Cytokine Zcyto10; IL20; ZCYTO10

背景介绍 (References)

Interleukin-20 (IL-20) is a member of the IL-10 family of regulatory cytokines that includes IL-10, IL-19, IL-20, IL-22, IL-24 and IL-26. Members of this family share partial homology in their amino acid sequences but they are dissimilar in their biological functions. IL-20 exhibits approximately 28% amino acid identity with IL-10 and 76% amino acid identity with mouse IL-20. There are two heterodimeric receptor complexes for IL-20. The first is composed of IL-20 R α and IL-20 R β . The second is composed of IL-22 R and IL-20 R β . Whereas the IL-22 R/IL-20 R β complex is shared with IL-24, the IL-20 R α /IL-20 R β complex is shared with both IL-19 and IL-24. IL-20 has been shown to initiate transduction cascades involving STAT3 and stimulates the induction of pro-inflammatory genes including TNF- α and MCP-1. Initial functional studies using transgenic mice suggest that IL-20 has the ability to regulate skin development. The over-expression of both human and mouse forms of IL-20 results in keratinocyte hyper-proliferation, abnormal epidermal differentiation, and neonatal lethality. In humans, IL-20 and its receptors are up-regulated in psoriatic skin, and polymorphisms in the IL-20 gene have been associated with plaque-type psoriasis. IL-20 may also have a role in hematopoiesis. It enhances the proliferation of multi-potential progenitors in vitro and increases their numbers and cell cycling status in IL-20 transgenic mice. IL-20 is also shown to suppress COX-2 and PGE2 and acts as an inhibitor of angiogenesis in model systems.

注意事项 (Note)

For Research Use Only, Not for Diagnostic Use.



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