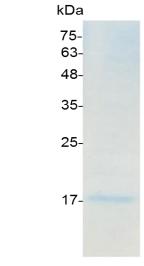
## PRODUCT INFORMATION

## IL-24 (Interleukin-24), Human

|  | 5   |  |
|--|---|--|
| signals through two heterodimeric receptors: IL-20R1/IL-20R2 and IL-22R1/IL-20R2. This interleukin is also known as melanom differentiation-associated 7 (mda-7) due to its discovery as a tumour suppressing  | 3   | µg / 20 µg / 100 µg  |
| activation of particular transcription factors called STAT1 and STAT3. The cytokine is predominantly released by activated monocytes, macrophages and helper 2 (Th2) cells and acts on non-haematopoietic tissues such as skin, lun and reproductive tissues. IL-24 performs important roles in wound healing arthritis, psoriasis and cancer. Several studies have shown that cell death occur in cancer cells/cell lines following exposure to IL-24. The gene for IL-24 is located on chromosome 1 in humans. | siç<br>IL-<br>dif<br>pr<br>ac<br>cy<br>he<br>ar<br>ar<br>in | gnals through two heterodimeric receptors: IL-20R1/IL-20R2 and -22R1/IL-20R2. This interleukin is also known as melanoma fferentiation-associated 7 (mda-7) due to its discovery as a tumour suppressing otein. IL-24 appears to control in cell survival and proliferation by inducing rapid ctivation of particular transcription factors called STAT1 and STAT3. This rtokine is predominantly released by activated monocytes, macrophages and Telper 2 (Th2) cells and acts on non-haematopoietic tissues such as skin, lung and reproductive tissues. IL-24 performs important roles in wound healing, thritis, psoriasis and cancer. Several studies have shown that cell death occurs cancer cells/cell lines following exposure to IL-24. The gene for IL-24 is located |
| Source Escherichia coli  | Es  | scherichia coli  |
| MQEFHFGPCQVKGVVPQKLWEAFWAVKDTMQAQDNITSARLLQQEVLQNVS  AESCYLVHTLLEFYLKTVFKNYHNRTVEVRTLKSFSTLANNFVLIVSQLQPSQEI  EMFSIRDSAHRRFLLFRRAFKQLDVEAALTKALGEVDILLTWMQKFYKL with  polyhistidine tag at the C-terminus  | AI<br>El  | ESCYLVHTLLEFYLKTVFKNYHNRTVEVRTLKSFSTLANNFVLIVSQLQPSQEN WFSIRDSAHRRFLLFRRAFKQLDVEAALTKALGEVDILLTWMQKFYKL with   |
| Endotoxin level <0.1 EU per 1 μg of the protein by the LAL method.   | level <0  | 0.1 EU per 1 μg of the protein by the LAL method.  |
| Measure by its ability to chemoattract BaF3 cells transfected with human IL-20 alpha and IL-20R beta. The ED <sub>50</sub> for this effect is <100 pg/mL.  |   | •  |
| Purity >95% as determined by SDS-PAGE. Ni-NTA chromatography   | >9  | 95% as determined by SDS-PAGE. Ni-NTA chromatography   |
| The protein was lyophilized from a solution containing 1X PBS, pH 8.0.   | n Th  | ne protein was lyophilized from a solution containing 1X PBS, pH 8.0.  |
| It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.  | ci <b>on</b> co   | oncentration not less than 100 μg/mL and incubate the stock solution for at least  |
| Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.   | -   |  |
| lote Please use within one month after protein reconstitution.   | PI  | ease use within one month after protein reconstitution.  |





SDS-PAGE analysis of recombinant human IL-24

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