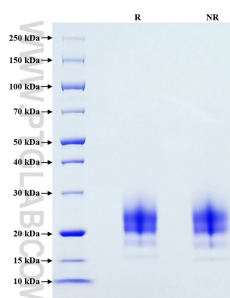


Recombinant Human IL-22 protein (His Tag)

Catalog Number: Eg0228

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: His Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Human IL-22 protein Met+Ala34-Ile179 (Accession# Q9GZX6) with a His tag at the N-terminus.</p> <p>GeneID: 50616</p> <p>Accession: Q9GZX6</p> <p>Predicted Molecular Mass: 17.6 kDa</p> <p>SDS-PAGE: 20-27 kDa, reducing (R) conditions</p> <p>Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>Interleukin 22 (IL-22) is a member of the human type I interferon family, which includes IL10. IL-22 has the potential to interact with IL10 because it binds to the IL-10R2c chain with IL-22R1 in its receptor complex. Binding can be blocked by the soluble receptor, IL-22 binding protein (IL-22BP). Although known as a Th17 cytokine, IL-22 is also expressed by a wide range of immune cells, including NK T, γ δ T, and NK cells. IL-22 can contribute to immune disease through the stimulation of inflammatory responses, S100s and defensins. IL-22 also promotes hepatocyte survival in the liver and epithelial cells in the lung and gut similar to IL-10.</p>		
References	<ol style="list-style-type: none">1. Pestka S, et al. (2004) Annu Rev Immunol. 22: 929-79.2. Wolk K, et al. (2002) J Immunol. 168(11): 5397-5402.3. Zheng Y et al. (2007) Nature. 445: 648-651.4. Zheng Y et al. (2008) Nat Med. 14: 282-289.5. Xie MH, et al. (2000) J Biol Chem. 275: 31335-9.6. Jones BC, et al. (2008) Structure. 16:1333-44.		
Synonyms	IL22, Cytokine Zcyto18, IL 21, IL 22, IL D110		

Selected Validation Data



Purity of Recombinant Human IL-22 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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