

Product datasheet for **TP724453**

Human IL23A & IL12B Heterodimer Protein, hFc Tag & His Tag

Product data:

Product Type:	Recombinant Proteins
Description:	Human IL23A & IL12B Heterodimer Protein, hFc Tag & His Tag
Expression Host:	HEK293
Tag:	C-Human Fc and 6×His
Predicted MW:	The protein has a predicted molecular mass of 44.8 & 35.5 kDa after removal of the signal peptide. The apparent molecular mass of IL23A-hFc & IL12B-His is approximately 35-55 kDa due to glycosylation.
Purity:	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Reconstitution Method:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.
Storage:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Stability:	12 months from date of despatch
Summary:	Interleukin-23 subunit alpha (IL-23 alpha) can associates with IL12B to form the IL-23 interleukin, a heterodimeric cytokine which functions in innate and adaptive immunity. IL-23 may constitute with IL-17 an acute response to infection in peripheral tissues. IL-23 binds to a heterodimeric receptor complex composed of IL12RB1 and IL23R, activates the Jak-Stat signaling cascade, stimulates memory rather than naive T-cells and promotes production of proinflammatory cytokines. IL-23 induces autoimmune inflammation and thus may be responsible for autoimmune inflammatory diseases and may be important for tumorigenesis.



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