

Product datasheet for TP728261

Recombinant IL-32 alpha (Interleukin-32 alpha), Human

Product data:

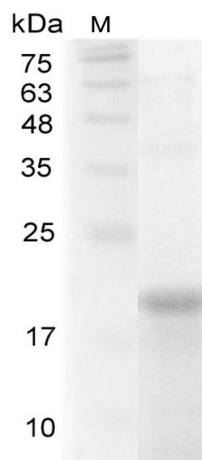
Product Type:	Recombinant Proteins
Description:	Recombinant IL-32 alpha (Interleukin-32 alpha), Human
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MCFPKVLSDDMKKLKARMHQAIERFYDKMQNAESGRGQVMSSLALEDDFKEGYLETVAAYYEEQHPELTPLEKERDGLRCRGNRSPVPDVEDPATEEPGESFCDKSYGAPRGDKEELTPQKCSEPQSSK with polyhistidine tag at the C-terminus .
Tag:	His Tag (C-term)
Predicted MW:	The protein has a calculated MW of 15.72 kDa. The protein migrates as 18 kDa under reducing condition (SDS-PAGE analysis).
Purity:	>98% as determined by SDS-PAGE.
Buffer:	The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 8.0.
Bioactivity:	Measure by its ability to induce TNF alpha secretion in RAW264.7 cells. The ED ₅₀ for this effect is <10 µg/mL.
Endotoxin:	<0.1 EU per 1 µg of the protein by the LAL method.
Reconstitution Method:	Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.
Applications:	Cell culture
Storage:	Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.
UniProt ID:	P24001-4
Synonyms:	IL-32alpha, IL-32beta, IL-32delta, IL-32gamma, NK4, TAIF, TAIFa, TAIFb, TAIFc, TAIFd



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Summary:

Interleukin 32 alpha (IL-32 α) is an 18 kDa cytokine with 131 amino acid residues and one of the IL-2 splice variants. IL-32 α is primarily secreted from inflammatory cells, such as NK cells, T-cells, peripheral blood mononuclear cells (PBMCs), and monocytes. IL-32 alpha is a proinflammatory cytokine regulating IL-6 by interaction with protein kinase C(PKC). It also interacts with paxillin, integrin, and focal adhesion kinase 1 (FAK 1).

Product images:

SDS- PAGE analysis of recombinant human IL-32 alpha