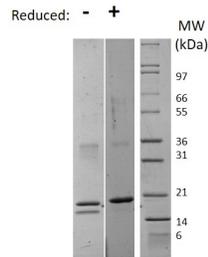


## IL32

### Recombinant Human IL-32 alpha

<b>Catalog No.</b>	CS306A	<b>Quantity:</b>	2 µg
	CS306B		10 µg
	CS306C		1 mg
	CS306D		100 µg
<b>Alternate Names:</b>	Interleukin 32, Natural killer cells protein 4, NK4, Tumor necrosis factor alpha-inducing factor, TAIF,		
<b>Description:</b>	Interleukin 32 alpha (IL-32α) is one of approximately six splice variants of the IL-32 gene. IL-32α has been shown to induce IL-8, TNFα, and MIP-2 production from human & mouse macrophage cell lines. IL-32α is up-regulated in activated T cells, natural killer cells, and IFNγ-treated epithelial cells.		
<b>Gene ID:</b>	9235		
<b>UniProt ID:</b>	P24001-4		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	14.9 kDa (131 aa) monomer		
<b>Formulation:</b>	Recombinant human IL-32α is lyophilized from 50 mM Na <sub>2</sub> PO <sub>4</sub> , pH 7.5.		
<b>Purity:</b>	≥ 95% determined by reducing and non-reducing SDS-PAGE		
<b>Endotoxin Level:</b>	≤ 1 EU/µg by kinetic LAL analysis		
<b>Biological Activity:</b>	Typical ED <sub>50</sub> = 100-150 ng/ml, determined by the dose-dependent induction of TNFα production from human PBMCs.		
<b>Amino Acid Sequence:</b>	MCFPKVLSDD MKKLGKARMHQ AIERFYDKMQ NAESGRGQVM SSLAELEDDF KEGYLETVAAY YEEQHPELT PLLEKERDGL RCRGNRSPVP DVEDPATEEP GESFCDKSYG APRGDKEELT PQKCSEPPQSS K		
<b>Reconstitution:</b>	<b>Centrifuge vial before opening.</b> When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions.		
<b>Storage &amp; Stability:</b>	Lyophilized product is stable at room temperature for shipping purposes. Upon receipt, store at -20°C to -80°C for up to 1 year.  Upon reconstitution, the preparation is stable for up to one month at 2-8°C. For long term storage, prepare working aliquots and store at -20 to -80°C. For maximal stability, dilute to working aliquots in a 0.1% BSA solution.		
	<b>Avoid repeated freeze-thaw cycles.</b>		





**Human IL-32-alpha Gel**

Figure: 1 ug run under (+) reducing conditions and (-) non-reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human IL-32 alpha has a predicted MW of 14.9 kDa.

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**



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