

Interferon kappa/IFNK Protein, Human, Recombinant (His & SUMO)

General Information

Synonyms:	IFNK;Interferon kappa;IFN-kappa
Protein Construction:	28-207 aa
Species:	Human
Expression Host:	E. coli
Accession:	Q9P0W0
Molecular Weight:	35.1 kDa (predicted)
AA Sequence:	LDCNLLNVHLRRVTWQNLRLHLSMSNSFPVECLRENIAFELPQEFLLQYTPMKRDIKKAFYEMSLQAFNIFSQ HTFKYWKERHLKQIQIGLDQQAAYLNQCLEEDKNENEDMKEMKENEMKPSEARVQLSSLELRRYFHRIDNF LKEKKYSDCAWEIVRVEIRRCLYYFYKFTALFRRK

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

May play a role in the regulation of immune cell function. Cytokine that imparts cellular protection against viral infection in a species-specific manner. Activates the interferon-stimulated response element signaling pathway. It

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is able to directly modulate cytokine release from monocytes and dendritic cells. Binds heparin.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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