

## Recombinant Human IK, His-tagged

**Cat. No.** IK-31311TH    **Lot. No.** (See product label)

### SPECIFICATION

|                                 |                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>         | Recombinant fragment, corresponding to amino acids 312-557 of Human RED with an N terminal His tag; Predicted MWt 30 kDa.                                                                                                                                                                                                                  |
| <b>Species</b>                  | Human                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>                   | E.coli                                                                                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>            | 312-557 a.a.                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>              | The protein encoded by this gene was identified by its RED repeat, a stretch of repeated arginine, glutamic acid and aspartic acid residues. The protein localizes to discrete dots within the nucleus, excluding the nucleolus. Its function is unknown. This gene maps to chromosome 5; however, a pseudogene may exist on chromosome 2. |
| <b>Conjugation</b>              | HIS                                                                                                                                                                                                                                                                                                                                        |
| <b>Form</b>                     | Lyophilised:Reconstitute with 110 µl aqua dest.                                                                                                                                                                                                                                                                                            |
| <b>Storage buffer</b>           | Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5                                                                                                                                                                                                                              |
| <b>Storage</b>                  | Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.                                                                                                                                                                                                                                                      |
| <b>Sequences of amino acids</b> | PEADMNIFEDIGDYVPSTTKTPRDKERERYRERERDRERD RDRDRERERERDRERERERDREREREEKKRHSYFEKPKV DDEPMDVDKGPSTKELIKSINEKFAGSAGWE                                                                                                                                                                                                                           |

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GTESLK KPEDKKQLGDDFGMSNSYAECYPATMDDMAVDSDEEVD YSKMDQGNK  
 KGPLGRWDFDTQEEYSEYMNNKEALPKAAFQ YGIKMSEGRKTRRFKETNDKAELD  
 RQWKKISAIIEKRK KMEADGVEVKRPKY

## GENE INFORMATION

|                     |                                                           |
|---------------------|-----------------------------------------------------------|
| Gene Name           | IK IK cytokine, down-regulator of HLA II [ Homo sapiens ] |
| Official Symbol     | IK                                                        |
| Synonyms            | IK; IK cytokine, down-regulator of HLA II; protein Red;   |
| Gene ID             | 3550                                                      |
| mRNA Refseq         | NM_006083                                                 |
| Protein Refseq      | NP_006074                                                 |
| MIM                 | 600549                                                    |
| Uniprot ID          | Q13123                                                    |
| Chromosome Location | 5q31.3                                                    |

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