

# Recombinant Human KERA Protein, His-tagged

**Cat. No.** KERA-2359H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human KERA Protein (His38-Pro335) with a N-His tag was expressed in E. coli.                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                       |
| <b>Source</b>           | E.coli                                                                                                                                                                                      |
| <b>ProteinLength</b>    | His38-Pro335                                                                                                                                                                                |
| <b>Description</b>      | The protein encoded by this gene is a keratan sulfate proteoglycan that is involved in corneal transparency. Defects in this gene are a cause of autosomal recessive cornea plana 2 (CNA2). |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                         |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 34.2 kDa                                                                                                                                                          |
| <b>Endotoxin</b>        | <1.0 EU per 1g (determined by the LAL method).                                                                                                                                              |
| <b>Purity</b>           | > 97%                                                                                                                                                                                       |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                  |
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for               |

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48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Storage Buffer**

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

**Reconstitution**

Reconstitute in PBS or others.

## GENE INFORMATION

**Gene Name**

KERA keratocan [ Homo sapiens (human) ]

**Official Symbol**

KERA

**Synonyms**

KERA; keratocan; CNA2; keratocan proteoglycan; SLRR2B; KTN; keratan sulfate proteoglycan keratocan;

**Gene ID**

11081

**mRNA Refseq**

NM\_007035

**Protein Refseq**

NP\_008966

**MIM**

603288

**UniProt ID**

O60938

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