

## Recombinant Human KRT8 Protein (Gln90-Gln236), His tagged

**Cat. No.** KRT8-2112H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human CK-8 (Gln90-Gln236) fused with His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | Gln90-Gln236                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | Keratin8 (KRT8) is the major component of the intermediate filament cytoskeleton and predominantly expressed in simple epithelial tissues. Aberrant expression of KRT8 is associated with multiple tumor progression and metastasis. KRT8 overexpression in renal cancer cell lines promoted cell migration and invasion. In contrast, KRT8 knockdown suppressed ccRCC metastasis both in vitro and in vivo. KRT8 expression may therefore be a biomarker or potential therapeutic target to identify patients with worse survival. |
| <b>Form</b>             | Lyophilized powder/frozen liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Molecular Mass</b>   | 19.15 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>           | >90% as determined by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Notes</b>            | For research use only.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                       |                                                                                                                                                                                         |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt. |
| <b>Storage Buffer</b> | Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.                                                                                                               |
| <b>Reconstitution</b> | Reconstitute in sterile water for a stock solution.                                                                                                                                     |
| <b>Shipping</b>       | They are shipped out with dry ice/blue ice unless customers require otherwise.                                                                                                          |

## GENE INFORMATION

|                        |                                                                                                                                                |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | KRT8 keratin 8 [ Homo sapiens (human) ]                                                                                                        |
| <b>Official Symbol</b> | KRT8                                                                                                                                           |
| <b>Synonyms</b>        | KRT8; keratin 8; K8; KO; CK8; CK-8; CYK8; K2C8; CARD2; keratin, type II cytoskeletal 8; cytokeratin-8; keratin 8, type II; type-II keratin Kb8 |
| <b>Gene ID</b>         | 3856                                                                                                                                           |
| <b>mRNA Refseq</b>     | NM_002273                                                                                                                                      |
| <b>Protein Refseq</b>  | NP_002264                                                                                                                                      |
| <b>MIM</b>             | 148060                                                                                                                                         |
| <b>UniProt ID</b>      | P05787                                                                                                                                         |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA