

## Recombinant Human LACRT Protein (Ala19-Ala138), N-His tagged

Cat. No. LACRT-3798H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                                  |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant human LACRT (Ala19-Ala138) fused with the N-terminal His tag was expressed in E. coli.                                                                                                                                                                                                               |
| Species          | Human                                                                                                                                                                                                                                                                                                            |
| Source           | E.coli                                                                                                                                                                                                                                                                                                           |
| ProteinLength    | Ala19-Ala138                                                                                                                                                                                                                                                                                                     |
| Description      | The protein encoded by this gene is highly expressed in the lacrimal glands and localized primarily to secretory granules and secretory fluid. It augments lacrimal acinar cell secretion, promotes ductal cell proliferation, and stimulates signaling through tyrosine phosphorylation and release of calcium. |
| Form             | Lyophilized powder/frozen liquid                                                                                                                                                                                                                                                                                 |
| Molecular Mass   | 13.2 kDa                                                                                                                                                                                                                                                                                                         |
| Purity           | >90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                  |
| Notes            | For research use only.                                                                                                                                                                                                                                                                                           |
| Storage          | 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                                                                                                                                           |

 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

|                       |                                                                                |
|-----------------------|--------------------------------------------------------------------------------|
|                       | date of receipt.                                                               |
| <b>Storage Buffer</b> | Supplied as solution form in PBS or lyophilized from PBS.                      |
| <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>       | LACRT lacritin [ Homo sapiens (human) ]              |
| <b>Official Symbol</b> | LACRT                                                |
| <b>Synonyms</b>        | LACRT; lacritin; extracellular glycoprotein lacritin |
| <b>Gene ID</b>         | 90070                                                |
| <b>mRNA Refseq</b>     | NM_033277                                            |
| <b>Protein Refseq</b>  | NP_150593                                            |
| <b>MIM</b>             | 607360                                               |
| <b>UniProt ID</b>      | Q9GZZ8                                               |

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