

# Active Recombinant Human KLRK1 protein, Fc-tagged

**Cat. No.** KLRK1-0585H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Active Recombinant Human KLRK1 protein(P26718)(Phe78-Val216) is expressed in HEK293 with a human IgG1 Fc tag at the N-terminus.                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                            |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 78-216 aa                                                                                                                                                                                                                        |
| <b>Form</b>             | Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.                                                                                                                                                                      |
| <b>Bio-activity</b>     | Loaded Human NKG2D-Fc on Protein A Biosensor, can bind Human MICA-His with an affinity constant of 24.6 nM as determined in BLI assay.                                                                                           |
| <b>Molecular Mass</b>   | 42.4 KDa                                                                                                                                                                                                                         |
| <b>Endotoxin</b>        | < 1 EU/g as determined by LAL test.                                                                                                                                                                                              |
| <b>Purity</b>           | Greater than 95% as determined by reducing SDS-PAGE.                                                                                                                                                                             |
| <b>Storage</b>          | Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt.<br>Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months. |
| <b>Reconstitution</b>   | Always centrifuge tubes before opening.Do not mix by vortex or pipetting. It is not                                                                                                                                              |

 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

recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## GENE INFORMATION

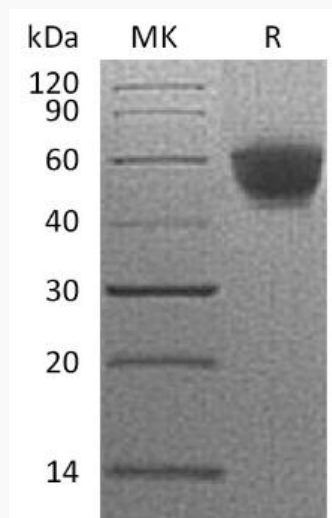
|                        |                                                                                                                                                                                                                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | KLRK1 killer cell lectin-like receptor subfamily K, member 1 [ Homo sapiens ]                                                                                                                                                                                                                           |
| <b>Official Symbol</b> | KLRK1                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>        | KLRK1; killer cell lectin-like receptor subfamily K, member 1; D12S2489E, DNA segment on chromosome 12 (unique) 2489 expressed sequence; NKG2-D type II integral membrane protein; CD314; KLR; NKG2 D; NKG2D; NK cell receptor D; NKG2-D-activating NK receptor; NKG2-D; D12S2489E; FLJ17759; FLJ75772; |
| <b>Gene ID</b>         | 22914                                                                                                                                                                                                                                                                                                   |
| <b>mRNA Refseq</b>     | NM_007360                                                                                                                                                                                                                                                                                               |
| <b>Protein Refseq</b>  | NP_031386                                                                                                                                                                                                                                                                                               |
| <b>MIM</b>             | 611817                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID</b>      | P26718                                                                                                                                                                                                                                                                                                  |

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

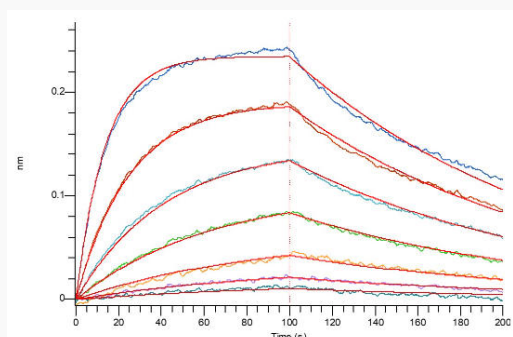
 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

## SDS-PAGE



## BLI



 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