

## Active Recombinant Human KLRK1 protein, rFc-tagged

**Cat. No.** KLRK1-4626H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Active Recombinant Human KLRK1 protein(NP_031386.2)(Ile73-Val216) is expressed in HEK293, fused with a rFc tag at the N-terminus.                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                        |
| <b>Source</b>           | HEK293                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 73-216 aa                                                                                                                                                                                                    |
| <b>Form</b>             | Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.                                                                                                                                                 |
| <b>Bio-activity</b>     | Measured by its binding ability in a functional ELISA. Immobilized human MICA at 2 µg/mL (100 µL/well) can bind NKG2D with a linear range of 0.61-205.43 ng/mL.                                              |
| <b>Molecular Mass</b>   | 42.29 kDa                                                                                                                                                                                                    |
| <b>Endotoxin</b>        | < 0.1 EU/µg of the protein by LAL method.                                                                                                                                                                    |
| <b>Purity</b>           | ≥ 95 % as determined by SDS-PAGE.                                                                                                                                                                            |
| <b>Storage</b>          | Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. |
| <b>Reconstitution</b>   | Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL                                                                                                                         |

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in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## GENE INFORMATION

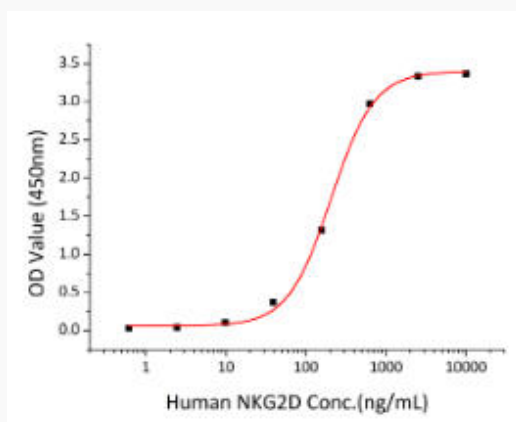
|                 |                                                                                                                                                                                                                                                                                                         |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | KLRK1 killer cell lectin-like receptor subfamily K, member 1 [ Homo sapiens ]                                                                                                                                                                                                                           |
| Official Symbol | KLRK1                                                                                                                                                                                                                                                                                                   |
| Synonyms        | 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; |
| Gene ID         | 22914                                                                                                                                                                                                                                                                                                   |
| mRNA Refseq     | NM_007360                                                                                                                                                                                                                                                                                               |
| Protein Refseq  | NP_031386                                                                                                                                                                                                                                                                                               |
| MIM             | 611817                                                                                                                                                                                                                                                                                                  |
| UniProt ID      | P26718                                                                                                                                                                                                                                                                                                  |

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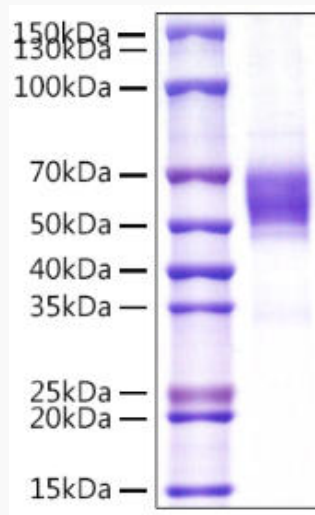
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## Activity



## SDS-PAGE



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