

## NKp80/KLRF1 Protein, Human, Recombinant (His)

### General Information

|                       |   |
|-----------------------|---|
| Synonyms:             | Lectin-like receptor F1;C-type lectin domain family 5 member C;KLRF1;Activating coreceptor NKp80;CLEC5C;Killer cell lectin-like receptor subfamily F member 1 |
| Protein Construction: | Val66-Tyr231  |
| Species:              | Human   |
| Expression Host:      | HEK293 Cells  |
| Accession:            | Q9NZS2  |
| Molecular Weight:     | 25-35 KDa (reducing condition)  |
| AA Sequence:          | Val66-Tyr231  |

### QC Testing

|                      |   |
|----------------------|---|
| Biological Activity: | Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first. |
| Purity:              | Greater than 95% as determined by reducing SDS-PAGE. (QC verified)  |
| Endotoxin:           | < 0.1 ng/μg (1 EU/μg) as determined by LAL test.  |
| Formulation:         | Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4.  |

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Killer cell lectin-like receptor subfamily F member 1 (KLRF1) is known as NKp80. Human NKp80, a member of the C-type lectin family of proteins (1 - 3), is 231 aa in length with a 38 amino acid (aa) cytoplasmic region, a 21 aa transmembrane region, and a 172 aa extracellular domain (ECD). The protein strongly expressed in peripheral blood leukocytes and spleen, with weaker expression in lymph node and adult liver, and no expression detected in bone marrow, thymus, and fetal liver. Its' function involved in the natural killer (NK)-mediated cytotoxicity of PHA-

induced lymphoblasts.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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