

## KLRB1F/CD161f Protein, Mouse (HEK293, Fc)

<b>Cat. No.:</b>	HY-P75939
<b>Synonyms:</b>	Killer cell lectin-like receptor subfamily B member 1F; CD161f; Nkrp1f
<b>Species:</b>	Mouse
<b>Source:</b>	HEK293
<b>Accession:</b>	Q8VD98 (Q67-V217)
<b>Gene ID:</b>	232408
<b>Molecular Weight:</b>	Approximately 50-55 kDa due to the glycosylation.

### PROPERTIES

<b>AA Sequence</b>	<p>           Q K P P I E K C S V    A A Q E N R T E L T    G R S A I L E C P R    Y W H P H W N K C L            F V S Q I S R P W A    E G R D A C S M E D    A I L L L I E N K E    E L R F V Q N L I K            G K E Q L F F I G L    K Y V Q K E K I W K    W I D G S I L N P N    L L R I T G K D K E            N S C A I I S H T E    V F S D S C S S D N    H W I C Q K T L I H    V         </p>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	<p>The KLRB1F/CD161f Protein is known for its capability to bind CLEC2l/Clr-g, initiating the activation of natural killer cells or providing costimulation for IL-2 production and T-cell proliferation in response to antigen stimulation. This dual functionality underscores its role in orchestrating immune responses. Furthermore, KLRB1F/CD161f may play a role in the formation of the immunological synapse between T-cells and antigen-presenting dendritic cells, suggesting its involvement in the intricate molecular interactions that govern effective immune recognition and response.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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