Recombinant Mouse NCR1 Protein (His Tag)

Catalog No. PKSM041113

Note: Centrifuge before opening to ensure complete recovery of vial contents.

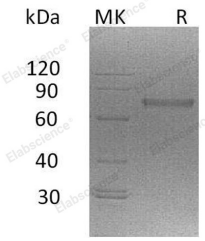
Description

Synonyms	Activating receptor1;mAR-1;Lymphocyte antigen94;Naturalkiller cell p46-related protein;NK-p46;NKp46;mNKp46
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Glu22-Asn255
Accession	Q8C567
Calculated Molecular Weight	53.5 kDa
Observed molecular weight	76 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 90 % as determined by reducing SDS-PAGE.

Background

Natural cytotoxicity triggering receptor 1(NKp46/NCR1) is a single-pass type I membrane protein. It consists of two

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extracellular Ig-like domains followed by a short stalk region, a transmembrane domain containing a positively charged amino acid residue, and a short cytoplasmictail. NKp46 is predominantly expressed in the embryo. It has a positive charge in its transmembrane domain that permits association with the ITAM-bearing signal adapter proteins, CD3 zeta and Fc epsilon RI gamma. These receptors are expressed almost exclusively by NK cells and play a major role in triggering some of the key lytic activities of NK cells. Studies with neutralizing antibodies indicate that the three NCR are primarily responsible for triggering the NK-mediated lysis of many human tumor celllines.

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