Recombinant NCTR1 protein (His tag)

Catalog Number	541885
Synonyms	Lymphocyte antigen 94 homolog; NK cell-activating receptor; Natural killer cell p46-related protein; NK-p46; NKp46; hNKp46; CD antigen CD335
Species	Human
Expression System	E. coli
Accession	O76036
Molecular Weight	Predictes a molecular mass of 23.45 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 23 kDa band.

Product Information

Sequence Region	22-213
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 22-213 aa (O76036) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Human NCR1 (CD335) Fragment (aa 22-213) – a high-purity protein designed to encompass the Ig-like 1 and Ig-like 2 domains, ideal for investigating NK cell cytotoxicity and receptor-ligand interactions in immune response studies. Natural cytotoxicity triggering receptor 1 (NCR1), also known as CD335, is a key cytotoxicity-activating receptor that enhances the tumor cell lysis efficiency of activated natural killer (NK) cells. It is localized to the cell membrane as a single-pass type I membrane protein, playing a critical role in immune surveillance and antitumor activity by mediating NK cell activation.