Recombinant KI2LB protein (His tag)

Catalog Number	549591
Synonyms	CD158 antigen-like family member F2; Killer cell immunoglobulin-like receptor 2DLX; CD antigen CD158f2
Species	Human
Expression System	E. coli
Accession	Q8NHK3
Molecular Weight	Predictes a molecular mass of 24.98 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 25 kDa band.

Product Information

Sequence Region	22-238
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 22-238 aa (Q8NHK3) 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 KIR2DL5B Fragment (aa 22-238) is a high-purity protein designed for studying the inhibitory functions of natural killer cells. This fragment includes the complete Ig-like C2-type domains, making it an ideal tool for investigating HLA-C recognition and immune regulation mechanisms. Killer cell immunoglobulin-like receptor 2DL5B is a transmembrane receptor expressed on natural killer (NK) cells that specifically recognizes HLA-C alleles. As an inhibitory receptor, it suppresses NK cell activity to prevent inappropriate cell lysis, playing a critical role in immune tolerance and response regulation. The protein is located in the cell membrane as a single-pass type I membrane protein, where it mediates key interactions in the immune surveillance system.