Recombinant MXRA5 protein (His tag)

Catalog Number	541336
Synonyms	Adhesion protein with leucine-rich repeats and immunoglobulin domains related to perlecan; Adlican
Species	Human
Expression System	E. coli
Accession	Q9NR99
Molecular Weight	Predictes a molecular mass of 41.63 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 42 kDa band.

Product Information

Sequence Region	316-669
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 316-669 aa (Q9NR99) 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 MXRA5 Fragment (316-669): A high-purity protein fragment encompassing the Ig-like C2-type 1 and Ig-like C2-type 2 domains of Matrix-remodeling-associated protein 5 (Adlican), designed for studying domain-specific functions in inflammation and fibrosis research. Matrix-remodeling-associated protein 5 (MXRA5), also known as Adlican, is a secreted human protein with demonstrated anti-inflammatory and anti-fibrotic properties. Research shows it limits the induction of chemokines, fibronectin, and collagen expression in response to TGF1 and pro-inflammatory stimuli, particularly in kidney function. As a secreted protein, MXRA5 functions extracellularly, where it modulates tissue remodeling processes. The full-length protein contains leucine-rich repeats and immunoglobulin domains related to perlecan, suggesting roles in cell adhesion and extracellular matrix interactions.