Recombinant MUC22 protein (His tag)

Catalog Number	550848
Synonyms	Panbronchiolitis-related mucin-like protein 1
Species	Human
Expression System	E. coli
Accession	E2RYF6
Molecular Weight	Predictes a molecular mass of 30.41 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 32 kDa band.

Product Information

Sequence Region	1120-1414
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 1120-1414 aa (E2RYF6) 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 Mucin-22 (MUC22) Fragment (aa 1120-1414) is a high-purity protein designed for structural and biochemical studies. This 295-amino acid fragment was computationally optimized for stability and solubility, providing a reliable tool for investigating the properties of this panbronchiolitis-related mucin-like protein. Mucin-22, also known as Panbronchiolitis-related mucin-like protein 1, is a human membrane protein that functions as a single-pass transmembrane protein. While specific functional details require further characterization, its membrane localization and mucin-like properties suggest potential roles in cellular surface interactions and respiratory system biology. The selection of amino acids 1120-1414 represents a stable, soluble region suitable for experimental applications without known domain structures.