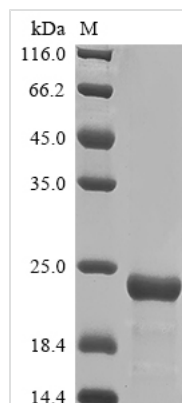




# Recombinant Moraxella bovis Fimbrial protein Q (tfpQ)

<b>Product Code</b>	CSB-EP357167MHZ
<b>Abbreviation</b>	Recombinant Moraxella bovis tfpQ protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P07640
<b>Storage Buffer</b>	Tris-based buffer,50% glycerol
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Moraxella bovis
<b>Purity</b>	Greater than 85% as determined by SDS-PAGE.
<b>Sequence</b>	FTLIELMIVIAIIGILAAIALPAYQDYISKSTTRVVGELAAGKTAVDAAALFEGKTPK LGKAANDTEEDIGLTTTGGTARSNLMSSVNIGGGAFATGAGTLEATLGNRANK DIAGAVITQSRDAEGVWTCTINGSAAPGWKSKFVPTGCKE
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Target Names</b>	tfpQ
<b>Protein Names</b>	Recommended name: Fimbrial protein QAlternative name(s): Beta pilin Q pilin
<b>Expression Region</b>	7-157aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	20.9 kDa
<b>Protein Length</b>	Full Length of Mature Protein

## Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



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## Description

The expression of the recombinant *Moraxella bovis* tfpQ protein involves the construction of a plasmid encoding the *Moraxella bovis* tfpQ protein (7-157aa). This resulting plasmid is introduced into *e.coli* cells. Positive *e.coli* cells are selected and cultured for the protein expression. The protein is fused with a N-terminal 6xHis tag. After that, cultured cells are lysed. The subsequent step includes purifying the recombinant *Moraxella bovis* tfpQ protein through affinity purification from the cell lysate and assessing the purity of the protein via SDS-PAGE. The purity of the recombinant tfpQ protein is greater than 85%.

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