

Mouse DSG-2/Desmoglein-2 Protein



Cat. No. DSG-MM102

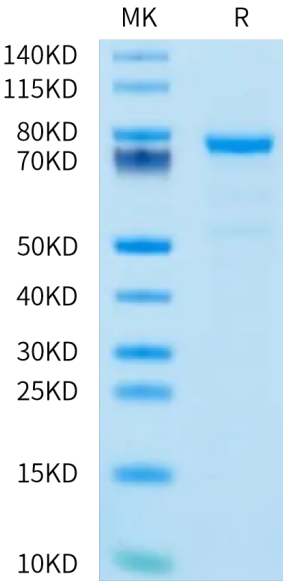
Description	
Source	Recombinant Mouse DSG-2/Desmoglein-2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ala55-Ala618.
Accession	O55111
Molecular Weight	The protein has a predicted MW of 63.7 kDa. Due to glycosylation, the protein migrates to 75-80 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage	
Formulation	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background	
Desmoglein-2 (DSG-2) as the primary high-affinity receptor used by adenoviruses Ad3, Ad7, Ad11 and Ad14. These serotypes represent key human pathogens causing respiratory and urinary tract infections. In epithelial cells, adenovirus binding of DSG-2 triggers events reminiscent of epithelial-to-mesenchymal transition, leading to transient opening of intercellular junctions.	

Assay Data

Bis-Tris PAGE



Mouse DSG-2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.