

Recombinant Swine MutS Homolog 2 (MSH2), N-His

Cat. No.: AP9C857

Product Type: Animal Proteins

Size: 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

Product Overview

BioVenic's Recombinant Swine MutS Homolog 2 (MSH2), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 47.7 kDa. The purity is >97% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Swine
Expression System	<i>E.coli</i>
Purity	>97% (SDS-PAGE)
Endotoxin	< 1 EU/µg
Predicted Molecular Weight	47.7 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Target Information

Swine mutS homolog 2r (MSH2) is a protein involved in the DNA mismatch repair (MMR) system, which is crucial for maintaining genomic stability and fidelity of DNA replication. It binds to mismatched DNA bases and initiates the repair process by recruiting other repair proteins to the site of the mismatch.

Protein	Swine MutS Homolog 2 (MSH2)
Protein Synonym	HNPCC; COCA1; FCC1; HNPCC1; Colon Cancer; Nonpolyposis Type 1; DNA mismatch repair protein Msh2
Gene ID	100337661
UniProt ID	A0A287BTM5

Shipping and Storage

This product is shipped with dry ice. It is recommended to aliquote as needed and store at -80°C upon receipt. Reconstituted protein solution can be stored at 4°C for 1 week, at < -80°C for 12 months.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Aliquote the reconstituted solution to minimise freeze-thaw cycles.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.