



Recombinant Human SmD Protein [His] (DAGC107)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	cDNAs coding for the mature forms of the human SmD1, SmD2 and SmD3 proteins individually fused to a hexa-histidine purification tag. Expressed by recombinant baculovirus (Autographa californica multiple nuclear polyhedrosis virus; AcMNPV) infection of Spodoptera frugiperda Sf9 insect cells under conditions promoting symmetrical dimethylation of arginine residues.
Species	Human
Purity	> 80%
Conjugate	His
Applications	SDS-PAGE, WB, ELISA
Molecular Weight	SmD1: 14 kDa SmD2: 15 kDa SmD3: 15 kDa
Format	Liquid
Size	0.1 mg, 1 mg
Buffer	Neutral to slightly alkaline pH and 20% glycerol as cryoprotective agent.
Preservative	None
Storage	Store at -70°C or below. Repeated freeze/thaw cycles should avoided.

BACKGROUND

Introduction

In eukaryotic cells, the Sm-proteins B/B', D1, D2, D3, E, F, and G form a heteroheptameric protein core shared between all uracil-rich small nuclear ribonucleoprotein (U-snRNP) complexes. SmD comprises equal masses of SmD1, SmD2, and SmD3. In addition, both SmD1 and SmD3 contain symmetrically dimethylated arginine residues, which represent a major epitope.

Keywords

SmD; SmD1; SmD2; SmD3