

Datasheet for ABIN7279666

**SMS Protein (AA 1-366) (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µg
Target:	SMS
Protein Characteristics:	AA 1-366
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SMS protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

## Product Details

Characteristics:	SMS, 1-366aa, Human, His tag, E.coli
Purity:	> 90 % by SDS - PAGE

## Target Details

Target:	SMS
Alternative Name:	SMS ( <a href="#">SMS Products</a> )
Background:	<p>SMS (Spermine synthase) belongs to the spermidine/spermine synthase family. It is an enzyme that converts spermidine into spermine. This enzyme is required for normal viability, growth and fertility involved in polyamine metabolism. Defects in SMS are the cause of Snyder-Robinson syndrome (SRS), also known as X-linked mental retardation Snyder-Robinson type.</p> <p>SRS is characterized by moderate intellectual deficit, hypotonia, an unsteady gait, osteoporosis,</p>

Target Details

kyphoscoliosis and facial asymmetry. Transmission is X-linked recessive. Recombinant human SMS protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. Synonyms: Spermine synthase, MRSR, SPMSY, SpS, SRS. NCBI no.: NP\_004586

Molecular Weight: 43.8kDa (390aa), confirmed by MALDI-TOF

Application Details

Restrictions: For Research Use only

Handling

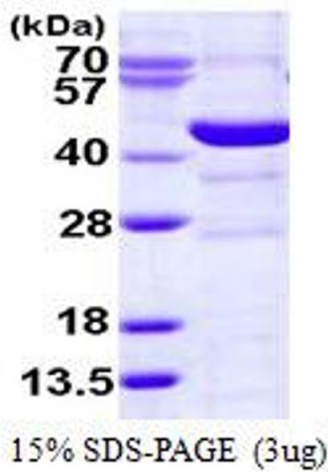
Format: Liquid

Concentration: 1mg/ml (determined by Bradford assay)

Buffer: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 100mM NaCl

Storage: 4 °C

Images



SDS-PAGE

Image 1.