

## Datasheet for ABIN7482539

### SMN1 Protein (His tag)

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#### Overview

Quantity:	100 µg
Target:	SMN1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SMN1 protein is labelled with His tag.

#### Product Details

Purpose:	Human SMN1 Protein, His Tag
Sequence:	Ala 2 - Asn 294
Characteristics:	Human SMN1, His Tag is expressed from E. coli cells. It contains AA Ala 2 - Asn 294 (Accession # Q16637-1).
Purity:	90 %
Endotoxin Level:	1.0 EU per µg

#### Target Details

Target:	SMN1
Alternative Name:	SMN1 ( <a href="#">SMN1 Products</a> )
Background:	SMN1 is produced chiefly by the SMN1 gene, located on the telomeric portion of chromosome 5q. SMN1 protein is one of a group of proteins called the SMN complex, which is important for the maintenance of specialized nerve cells called motor neurons. In cells, the SMN complex

### Target Details

plays an important role in processing mR. The SMN complex helps to assemble the cellular machinery needed to process pre-mR. The SMN complex is also important for the development of specialized outgrowths from nerve cells called dendrites and axons. Deletion or mutation of the SMN1 gene results in a reduced level of full-length SMN protein and manifests as a range of neuromuscular phenotypes in humans as the disease spinal muscular atrophy (SMA).

Molecular Weight:	33.7 kDa
Pathways:	<a href="#">Ribonucleoprotein Complex Subunit Organization</a>

### Application Details

Comment:	This protein carries a polyhistidine tag at the N-terminus. (10xHis) The protein has a calculated MW of 33.7 kDa. The protein migrates as 36-40 kDa and 69 kDa under reducing (R) condition (SDS-PAGE).
Restrictions:	For Research Use only

### Handling

Format:	Lyophilized
Buffer:	PBS, 0.5 M Arginine, pH 7.4
Storage:	-20 °C
Storage Comment:	-20°C