

# SERF1A polyclonal antibody (A01)

Catalog # H00008293-A01

Size 50 uL

## Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant SERF1A.
Immunogen	SERF1A (NP_068802, 1 a.a. ~ 82 a.a) partial recombinant protein with GST tag.
Sequence	MARGNQRELARQKNMKKTQEISKGKRKEDSLTASQRKQSSGGQKSESKMSAGPHLPLKAPREN PCFPLPAAGGSRYLAYGS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (97); Rat (97)
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- ELISA

## Gene Info — SERF1A

Entrez GeneID	<a href="#">8293</a>
GeneBank Accession#	<a href="#">NM_021967</a>
Protein Accession#	<a href="#">NP_068802</a>
Gene Name	SERF1A

Gene Alias	4F5, FAM2A, H4F5, SERF1, SMAM1
Gene Description	small EDRK-rich factor 1A (telomeric)
Omim ID	<a href="#">603011</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>This gene is part of a 500 kb inverted duplication on chromosome 5q13. This duplicated region contains at least four genes and repetitive elements which make it prone to rearrangements and deletions. The repetitiveness and complexity of the sequence have also caused difficulty in determining the organization of this genomic region. The duplication region includes both a telomeric and a centromeric copy of this gene. Deletions of this gene, the telomeric copy, often accompany deletions of the neighboring SMN1 gene in spinal muscular atrophy (SMA) patients, and so it is thought that this gene may be a modifier of the SMA phenotype. The function of this protein is not known; however, it bears low-level homology with the RNA-binding domain of matrin-cyclophilin, a protein in which colocalizes with small nuclear ribonucleoproteins (snRNPs) and the SMN1 gene product. Alternatively spliced transcripts have been documented but it is unclear whether alternative splicing occurs for both the centromeric and telomeric copies of the gene. [provided by RefSeq]</p>
Other Designations	SMA modifier 1 small EDRK-rich factor 1A, telomeric spinal muscular atrophy-related gene H4F5

## Publication Reference

- [RNA and protein interactors with TDP-43 in human spinal cord lysates in ALS.](#)

Volkering K, Keller B, Leysta-Lantz C, Strong MJ.

Journal of Proteome Research 2018 Apr; 17(4):1712.

Application: WB, Human, HEK293T cells, lumbar spinal cord lysates

## Disease

- [Spinal Muscular Atrophies of Childhood](#)
- [Spinal muscular atrophy](#)