

Recombinant Human SERF1A Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SERF1A-1681H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SERF1A MS Standard C13 and N15-labeled recombinant protein (NP_075257) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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 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.
Molecular Mass	7.2 kDa

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AA Sequence	MARGNQRELARQKNMKKTQEISKGKRKEDSLTASQRKQRDSEIMQEKKQAANEKK SMQTREKTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	SERF1A small EDRK-rich factor 1A [Homo sapiens (human)]
Official Symbol	SERF1A
Synonyms	4F5; H4F5; FAM2A; SERF1; SMAM1; SERF1A; small EDRK-rich factor 1A (telomeric)
Gene ID	8293
mRNA Refseq	NM_022968
Protein Refseq	NP_075257
MIM	603011

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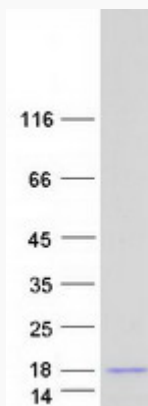
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UniProt ID

O75920

SDS-PAGE

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