



Recombinant Human Small EDRK-rich factor 1 (SERF1A)

Product Code	CSB-BP021040HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O75920
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MARGNQRELA RQKNMKKTQE ISKGKRKEDS LTASQRKQSS GGQKSESKMS AGPHLPLKAP RENPCFPLPA AGGSRYLAY GSITPISAFV FVVFFSVFFP SFYEDFCCWI
Source	Baculovirus
Target Names	SERF1A
Protein Names	Recommended name: Small EDRK-rich factor 1 Alternative name(s): Protein 4F5 Short name= h4F5 SMA modifier 1
Expression Region	1-110
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.