



Recombinant Mouse Prosaposin (Psap)

Product Code	CSB-EP736809MO-B
Abbreviation	Psap
Storage	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.
Uniprot No.	Q61207
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥85% (SDS-PAGE)
Sequence	SPVQ DPKTCSGGSA VLCDRVKTAV DCGAVKHCCQ MVWSKPTAKS LPCDICKTVV TEAGNLLKDN ATQEEILHYL EKTCEWIHDS SLSASCKEVV DSYLPVILDM IKGEMSNPGE VCSALNLCQS LQEYLAEQNQ KQLESNKIPE VDMARVVAPF MSNIPLLLYP QDHPRSQPQP KANEDVCQDC MKLVSDVQTA VKTNSSFIQG FVDHVKEDCD RLGGVSDIC KNYVDQYSEV CVQMLMHMQD QQPKEICVLA GFCNEVKRVP MKTLVPATET IKNILPALEM MDPYEQNLVQ AHNVILCQTC QFVMNKFSEL IVNNATEELL VKGLSNACAL LPDPARTKCQ EVMGTFGPSL LDIFIHEVNP SSLCGVIGLC AARPELVEAL EQPAPAIVSA LLKEPTPPKQ PAQPKQSALP AHVPPQKNGG FCEVCKKLV YLEHNLEKNS TKEEILAALE KGCSFLPDY QKQCDDFAE YEPLLEILV EVMDFGFVCS KIGVCPSAYK LLLGTEKCVW GPSYWCQNME TAARCAVDH CKRHVWN
Source	E.coli
Target Names	Psap
Protein Names	Recommended name: Sulfated glycoprotein 1 Short name= SGP-1Alternative name(s): Prosaposin
Expression Region	17-557
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 of Mature Protein
Target Details	This gene encodes a highly conserved glycoprotein which is a precursor for 4 cleavage products: saposins A, B, C, and D. Each domain of the precursor protein is approximately 80 amino acid residues long with nearly identical placement of cysteine residues and glycosylation sites. Saposins A-D localize primarily to the lysosomal compartment where they facilitate the catabolism of glycosphingolipids with short oligosaccharide groups. The precursor protein exists both as a secretory protein and as an integral membrane protein and has neurotrophic activities. Mutations in this gene have been associated with Gaucher disease, Tay-Sachs disease, and metachromatic leukodystrophy.



Alternative splicing results in multiple transcript variants encoding different isoforms.

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.