

Recombinant Human Saposin C Protein, His-tagged

Cat. No. Saposin C-21H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human saposin C with a C-terminal His-tag is produced in E. coli and purified by proprietary chromatography techniques.
Species	Human
Source	E.coli
Description	Human saposin C is small, heat-stable glycoprotein activator of lysosomal glycosphingolipid hydrolases that derive from a single precursor, prosaposin, by proteolytic cleavage. Of the prosaposin derived saposins, saposin C shows the highest amino acid identity/similarity to saposin A. Saposin C is an essential activator for glucocerebrosidase, the enzyme deficient in Gaucher disease. It plays role in antigen presentation of lipids through CD1b to human T cells. Saposins are glycosylated in a native state; however, non-glycosylated recombinant saposins produced in E. coli retain their respective activation effects in functional in vitro assays.
AA Sequence	MSDVYCEVCEFLVKEVTKLIDNNKTEKEILDAFDKMCSKLPKSLSEECQEVDYGS SILSILLEEVSPELVCSMLHLCSGGGHHHHHH
Purity	> 90% by Coomassie staining
Notes	This product is for laboratory research use only.
Storage	Storage is recommended at -20 centigrade for longer periods of time.

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Concentration	1.0 mg/mL by A280
Storage Buffer	10 mM Tris-HCl, pH 7.5, 100 mM NaCl, and 50% Glycerol.
Shipping	Product requires shipping on ice packs.

GENE INFORMATION

Official Symbol	Saposin C
Synonyms	Saposin C