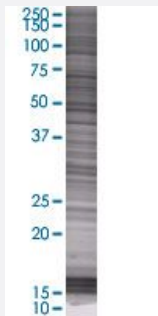


PSAP 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00005660-T01

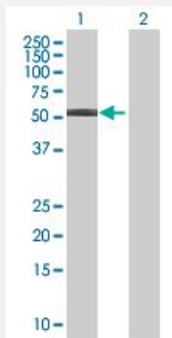
Size 100 uL

Applications



SDS-PAGE Gel

PSAP transfected lysate.



Western Blot

Lane 1: PSAP transfected lysate (57.75 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-PSAP full-length

Host Human

Theoretical MW (kDa) 57.75

Quality Control Testing Transient overexpression cell lysate was tested with Anti-PSAP antibody ([H00005660-B01](#)) by Western Blots.
 SDS-PAGE Gel
 PSAP transfected lysate.
 Western Blot
 Lane 1: PSAP transfected lysate (57.75 KDa)
 Lane 2: Non-transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — PSAP

Entrez GeneID [5660](#)

GeneBank Accession# [NM_002778.2](#)

Protein Accession# [NP_002769.1](#)

Gene Name PSAP

Gene Alias FLJ00245, GLBA, MGC110993, SAP1

Gene Description prosaposin

Omim ID [176801](#) [249900](#) [610539](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations OTTHUMP00000019776|sphingolipid activator protein-1

Pathway

- [Lysosome](#)

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)
- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)