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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

PSAP (Human) Recombinant Protein (P01)

Catalog Number: H00005660-P01

Regulation Status: For research use only (RUO)

Product Description: Human PSAP full-length ORF (AAH01503, 18 a.a. - 524 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

PVLGLKECTRGSVWCQNVKTASDCGAVKHCLQTVW
NKPTVKSLPCDICKDVVTAAGDMLKDNATEEEILVYLE
KTCDWLPKPNMSASCKEIVDSYLPVILDIKMGMSRPG
EVCSALNLCESLQKHLAELNHQKQLESNKIPELDMTEV
VAPFMANIPLLLYPQDGRSPKQPKDNGDVCQDCIQM
VTDIQTAVRTNSTFVQALVEHVKEECDRLGPGMADICK
NYISQYSEIAIQMMMHMQPKEICALVGFCDVEVKEMPM
QTLVPAKVASKNVIPALELVEPIKKHEVPAKSDVYCEV
CEFLVKEVTKLIDNNKTEKEILDAFDKMCSKLPKSLSEE
CQEVVDTYGSSILSILLEEVSPELVCSMLHLCSGTRLPA
LTVHVTQPKDGGFCEVCKKLVGYLDRNLEKNSTKQEIL
AALEKGSFLPDPYQKQCDQFVAEYEPVLIEILVEVMD
PSFVCLKIGACPSAHKPLLGTTEKCIWGPSYWCQNTET
AAQCNAVEHCKRHVWN

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 81.29

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 5660

Gene Symbol: PSAP

Gene Alias: FLJ00245, GLBA, MGC110993, SAP1

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]

References:

1. Mesotrypsin and Caspase-14 Participate in Prosaposin Processing - Potential Relevance to Epidermal Permeability Barrier Formation. Yamamoto-Tanaka M, Motoyama A, Miyai M, Matsunaga Y, Matsuda J, Tsuboi R, Hibino T J Biol Chem. 2014 May 28. pii: jbc.M113.543421.
2. Prosaposin, a regulator of estrogen receptor alpha, promotes breast cancer growth. Wu Y, Sun L, Zou W, Xu J, Liu H, Wang W, Yun X, Gu J. Cancer Sci. 2012 Oct;103(10):1820-5. doi: 10.1111/j.1349-7006.2012.02374.x. Epub 2012 Aug 10.
3. Biologically active recombinant human saposin C and PSAP. Koochekpour, Shahriar ;Hu, Siyi. FreshPatents.com