

## Product datasheet for PH301065

### ProSAAS (PCSK1N) (NM\_013271) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PCSK1N MS Standard C13 and N15-labeled recombinant protein (NP_037403)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201065
Predicted MW:	27.37 kDa
Protein Sequence:	<p>&gt;RC201065 representing NM_013271</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MAGSPLLWGPAGGVGLLVLLLLGLFRPPALCARPVKEPRGLSAASPPLAETGAPRRFRSSVPRGEAAG            AVQELARALAHLLAERQERARAEAEQEDQARVLAQLLRVWGAPRNSDPALGLDDDPDAPAAQLARAL            LRARLDPAALAAQLVPAPVPAALRPRPPVYDDGPAGPDAAEEAGDETPDVPELLRYLLGRILAGSADSE            GVAAPRRLRRAADHDVGSELPEGVLGALLRVKRLETPAPQVPARRLLPP</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_037403</a>
RefSeq Size:	990
RefSeq ORF:	780
Synonyms:	BigLEN; PEN; PROSAAS; SAAS; SCG8; SgVIII
Locus ID:	27344
UniProt ID:	<a href="#">Q9UHG2</a>

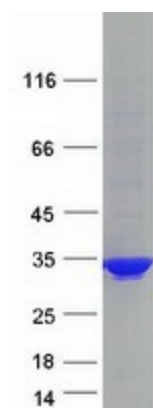

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**Cytogenetics:** Xp11.23

**Summary:** The protein encoded by this gene functions as an inhibitor of prohormone convertase 1, which regulates the proteolytic cleavage of neuroendocrine peptide precursors. The proprotein is further processed into multiple short peptides. A polymorphism within this gene may be associated with obesity. [provided by RefSeq, Aug 2013]

**Protein Families:** Druggable Genome, Secreted Protein, Transmembrane

### Product images:



Coomassie blue staining of purified PCSK1N protein (Cat# [TP301065]). The protein was produced from HEK293T cells transfected with PCSK1N cDNA clone (Cat# [RC201065]) using MegaTran 2.0 (Cat# [TT210002]).