

## Product datasheet for PH322654

### ASIP (NM\_001672) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	ASIP MS Standard C13 and N15-labeled recombinant protein (NP_001663)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222654
Predicted MW:	14.52 kDa
Protein Sequence:	>RC222654 representing NM_001672 Red=Cloning site Green=Tags(s)  MDVTRLLLATLLVFLCFFTANSHLPPEEKLRDDRSLRSNSSVNLLDVPSVSIVALNKKSKQIGRKAEEK RSSKKEASMKKVVRPTPLSAPCVATRNSCKPPAPACCDPCASCQCRFFRSACSCRVL SLNC  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_001663</a>
RefSeq Size:	584
RefSeq ORF:	396
Synonyms:	AGSW; AGTI; AGTIL; ASP; SHEP9
Locus ID:	434
UniProt ID:	<a href="#">P42127</a>
Cytogenetics:	20q11.22



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**Summary:**

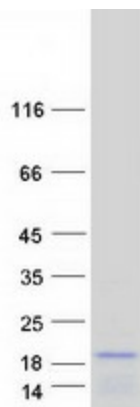
In mice, the agouti gene encodes a paracrine signaling molecule that causes hair follicle melanocytes to synthesize pheomelanin, a yellow pigment, instead of the black or brown pigment, eumelanin. Pleiotropic effects of constitutive expression of the mouse gene include adult-onset obesity, increased tumor susceptibility, and premature infertility. This gene is highly similar to the mouse gene and encodes a secreted protein that may (1) affect the quality of hair pigmentation, (2) act as a pharmacological antagonist of alpha-melanocyte-stimulating hormone, (3) play a role in neuroendocrine aspects of melanocortin action, and (4) have a functional role in regulating lipid metabolism in adipocytes. [provided by RefSeq, Jul 2008]

**Protein Families:**

Secreted Protein

**Protein Pathways:**

Melanogenesis

**Product images:**

Coomassie blue staining of purified ASIP protein (Cat# [TP322654]). The protein was produced from HEK293T cells transfected with ASIP cDNA clone (Cat# [RC222654]) using MegaTran 2.0 (Cat# [TT210002]).