

## Product datasheet for TP322654

### ASIP (NM\_001672) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human agouti signaling protein, nonagouti homolog (mouse) (ASIP), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC222654 representing NM_001672 Red=Cloning site Green=Tags(s)  MDVTRLLLATLLVFLCFFTANSHLPPEEKLRDDRSLRSNSSVNLLDVPSVSIVALNKKSKQIGRKAAEKK RSSKKEASMKKVVRPTPLSAPCVATRNSCKPPAPACCDPCASCQCRFFRSACSCRVLSLNC  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	12 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_001663</a>
Locus ID:	434
UniProt ID:	<a href="#">P42127</a>
RefSeq Size:	584



[View online »](#)

**Cytogenetics:** 20q11.22

**RefSeq ORF:** 396

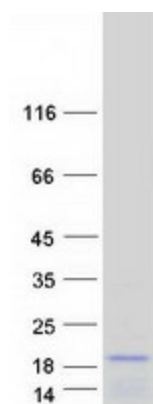
**Synonyms:** AGSW; AGTI; AGTIL; ASP; SHEP9

**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]).