

# Recombinant Full Length Human ASIP Protein, C-Flag-tagged

**Cat. No.** ASIP-917HFL    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human ASIP Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	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.
<b>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	12 kDa
<b>AA Sequence</b>	MDVTRLLLATLLVFLCFFTANSHLPPEEKLRDDRSLRSNSSVNLDDVPSVSIVALNKK SKQIGRKAAEKK RSSKKEASMKKVVRPRTPLSAPCVATRNSCKPPAPACCDPCASCQCRFFRSACSC RVLSLNCTRTRPLEQKLISEEDLAANDILDYKDDDDKV

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining.
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade.
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method.
<b>Preparation</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Protein Families</b>	Secreted Protein
<b>Protein Pathways</b>	Melanogenesis
<b>Full Length</b>	Full L.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">ASIP agouti signaling protein [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	<a href="#">ASIP</a>
<b>Synonyms</b>	ASP; AGSW; AGTI; AGTIL; SHEP9
<b>Gene ID</b>	<a href="#">434</a>
<b>mRNA Refseq</b>	<a href="#">NM_001672.3</a>
<b>Protein Refseq</b>	<a href="#">NP_001663.2</a>

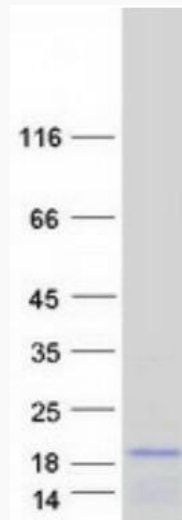
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**MIM** 600201

**UniProt ID** P42127



Coomassie blue staining of purified ASIP protein.

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