

# Recombinant Human ASIP Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** ASIP-4038H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	ASIP MS Standard C13 and N15-labeled recombinant protein (NP_001663) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<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>Molecular Mass</b>	14.52 kDa
<b>AA Sequence</b>	MDVTRLLLATLLVFLCFFTANSHLPPEEKLRDDRSLRSNSSVNLLDVPSVSIVALNKK SKQIGRKAAEKKRSSKKEASMKKVVRPRTPLSAPCVATRNSCKPPAPACCDPCASC QCRFFRSACSCRVLNCTRTRPLEQKLISEEDLAANDILDYKDDDDKV
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining

 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>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

<b>Gene Name</b>	ASIP agouti signaling protein [ Homo sapiens (human) ]
<b>Official Symbol</b>	ASIP
<b>Synonyms</b>	ASIP; agouti signaling protein; ASP; AGSW; AGTI; AGTIL; SHEP9; agouti-signaling protein; agouti signaling protein, nonagouti homolog; agouti switch protein; nonagouti homolog
<b>Gene ID</b>	434
<b>mRNA Refseq</b>	NM_001672
<b>Protein Refseq</b>	NP_001663
<b>MIM</b>	600201
<b>UniProt ID</b>	P42127

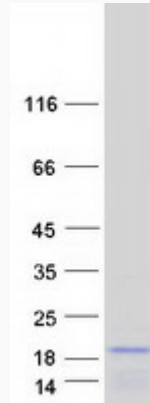
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SDS-PAGE



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