

Recombinant Human ASIP protein, GST-tagged

Cat. No. ASIP-907H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ASIP partial ORF (NP_001663.2, 33 a.a. - 132 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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]
Molecular Mass	36.74 kDa
AA Sequence	DRSLRSNSSVNLLDVPSVSIVALNKKSKQIGRKAAEKKRSSKKEASMKKVVRPTPL SAPCVATRNCKPPAPACCDPCASCQCRFFRSACSCRVLNLNC
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array

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Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

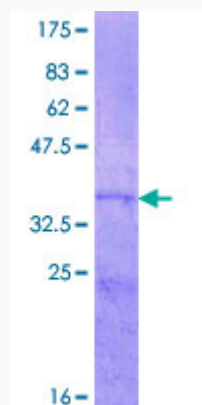
GENE INFORMATION

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

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12.5% SDS-PAGE Stained with Coomassie Blue.

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