

Recombinant Bovine ASIP Protein (23-133 aa), His-SUMO-tagged

Cat. No. ASIP-1930B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Bovine ASIP Protein (23-133 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Neuroscience. Protein Description: Full Length of Mature Protein.
Species	Bovine
Source	E.coli
ProteinLength	23-133 aa
Description	Involved in the regulation of melanogenesis. The binding of ASP to MC1R precludes alpha-MSH initiated signaling and thus blocks production of cAMP, leading to a down-regulation of eumelanogenesis (brown/black pigment) and thus increasing synthesis of pheomelanin (yellow/red pigment).
Form	Tris-based buffer, 50% glycerol
Molecular Mass	28.4 kDa
AA Sequence	HLAPEEKPRDERNLKNNSSMNLDFPSVSIVALNKKSKKISRNEAEKKKRPSKRKAP MKNVARTRPPPPTPCVATRDCKPPAPACCDPCAFCQCRFFRSACSCRVLNPTC
Purity	> 90% as determined by SDS-PAGE.

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Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

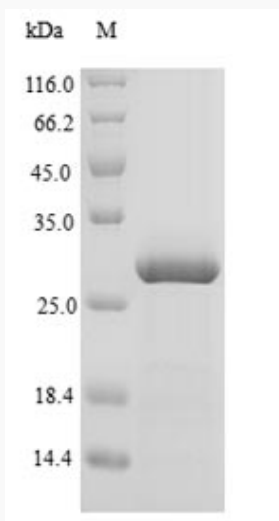
GENE INFORMATION

Gene Name	ASIP agouti signaling protein [Bos taurus (cattle)]
Official Symbol	ASIP
Synonyms	ASIP; Agouti switch protein;
Gene ID	404192
mRNA Refseq	NM_206843
Protein Refseq	NP_996674
UniProt ID	Q29414

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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