

Recombinant Bovine Agouti-signaling protein(ASIP)

Catalog No: #AP73925



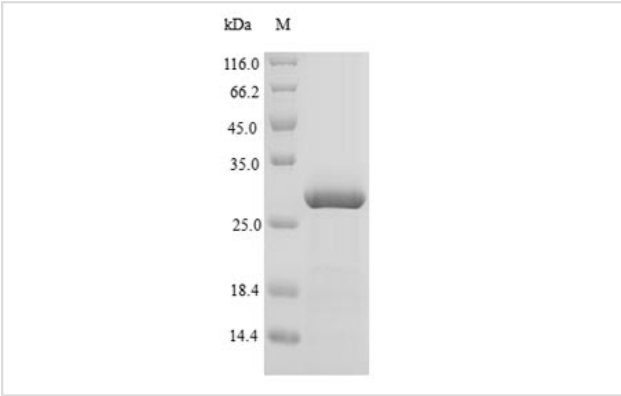
Package Size: #AP73925-1 20ug #AP73925-2 100ug #AP73925-3 1mg

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Description

Product Name	Recombinant Bovine Agouti-signaling protein(ASIP)
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:23-133aaSequence Info:Full Length
Other Names	Agouti switch protein
Accession No.	Q29414
Uniprot	Q29414
GeneID	404192;
Calculated MW	28.4 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	HLAPEEKPRDERNLKNNSSMNLDFPSVSIVALNKKSKKISRNEAEKKKRPSKRKAPMKNVARTRPPPTPCV ATRDCKPPAPACCDPCAFCQCRFFRSACSCRVLNPTC
Formulation	Tris-based buffer50% glycerol
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°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Images



Background

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)

References

"Widespread expression of the bovine Agouti gene results from at least three alternative promoters."Girardot M., Martin J., Guibert S., Leveziel H., Julien R., Oulmouden A.Pigment Cell Res. 18:34-41(2005)Research Topic:Neuroscience

Note: This product is for in vitro research use only