Agouti-Signaling Protein (ASIP) Papio Anubis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Agouti-signaling protein (ASIP), Recombinant Protein
Full Product Name	Recombinant Papio anubis Agouti-signaling protein (ASIP)
Product Gene Name	ASIP recombinant protein
Sequence	HLPPEEKLRD DRSLRSNSSV NLLDFPSVSI VALNKKSKQI SRKEAEKKRS SKKEASMKKV ARPRTPLSAP CVATRDSCKP PAPACCDPCA SCQCRFFRSA CSCRVLSLNC
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	14,673 Da
Sequence Positions	23-132, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for A1YL70
Species	Papio anubis (Olive baboon)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ASIP recombinant protein	MBS1259910 is a recombinant protein targeting ASIP. Also known as Recombinant Papio anubis Agouti-signaling protein (ASIP). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ASIP recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ASIP. It may not necessarily be applicable to this product.

NCBI GI #	256419033
NCBI GeneID	100302661
NCBI Accession #	NP_001157803.1
UniProt Primary Accession #	A1YL70
UniProt Related Accession #	A1YL70
GenBank Nucleotide #	NM_001164331.1
NCBI Official Full Name	agouti-signaling protein

NCBI Official Symbol	ASIP
UniProt Protein Name	Agouti-signaling protein
UniProt Synonym Protein Names	Agouti switch protein
Protein Family	Agouti-signaling protein
UniProt Gene Name	ASIP
UniProt Synonym Gene Names	ASP
NCBI Protein Information	agouti-signaling protein
UniProt Comments for ASIP	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) ().
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