



Recombinant Macaca mulatta (Rhesus macaque) Agouti-signaling protein (ASIP)

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| Product Code | CSB-MP002212MOW |
| Storage | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| Uniprot No. | A1YL67 |
| Product Type | Recombinant Protein |
| Immunogen Species | Macaca mulatta (Rhesus macaque) |
| Purity | >85% (SDS-PAGE) |
| Sequence | HLPPEEKL RDDRSLRSNS SVNLLDFPSV SIMALNKNSK EISRKEAEKK RSSKKEASKM KVARPRTPLS APCVATRDSC KPPAPACCDP CASCQCRFFR SACSCRVLSL NC |
| Source | Mammalian cell |
| Target Names | ASIP |
| Protein Names | Recommended name: Agouti-signaling protein Short name= ASP Alternative name(s): Agouti switch protein |
| Expression Region | 23-132 |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | Tag type will be determined during the manufacturing process. |
| Protein Length | Full Length of Mature Protein |
| Target Details | 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. |
| Reconstitution | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |
| Shelf Life | 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.