

Product datasheet for TP527643

a (NM_015770) Mouse Recombinant Protein

Product data:

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|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse nonagouti (a), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species: | Mouse |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >MR227643 representing NM_015770 Red=Cloning site Green=Tags(s) |
| | MDVTRLLLATLVGFLCFFTVHSHLALEETLGDDRSLRSNSSMNSLDFSSVSIVALNKKSKKISRKEAEKR KRSSKKKASMKKVARPPPPSPCVATRDSCPPAPACCDPCASCQCRFFGSACTCRVLPNC |
| | TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| Tag: | C-MYC/DDK |
| Predicted MW: | 14.8 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C after receiving vials. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_056585 |
| Locus ID: | 50518 |
| UniProt ID: | Q03288 |
| RefSeq Size: | 692 |
| Cytogenetics: | 2 76.83 cM |
| RefSeq ORF: | 393 |



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Synonyms: A; As; ASIP; ASP

Summary: 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). Causes hair follicle melanocytes to synthesize phaeomelanin instead of black or brown pigment eumelanin and produces hairs with a subapical yellow band on an otherwise black or brown background when expressed during the mid-portion of hair growth. [UniProtKB/Swiss-Prot Function]