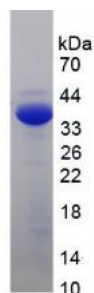
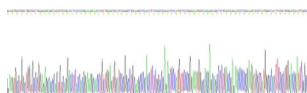


Human Pro-Opiomelanocortin (POMC) Protein

Catalogue No.: abx068696



SDS-PAGE analysis of recombinant Human Pro-Opiomelanocortin Protein.



Gene sequencing extract of recombinant Human Pro-Opiomelanocortin Protein.

Human Pro-Opiomelanocortin is a recombinant Human protein produced in a Prokaryotic expression system (E. coli).

Target: Pro-Opiomelanocortin (POMC)

Research Area: Endocrinology

Origin: Human

Expression: Recombinant

Tested Applications: WB, SDS-PAGE

Host: E. coli

Conjugation: Unconjugated

Form: Lyophilized

Activity: Not tested

Purity: > 90%

Reconstitution: Reconstitute in ddH₂O to a concentration between 0.1-1.0 mg/ml. Do not vortex.

Datasheet

Version: 5.0.0
Revision date: 08 Oct 2025



Storage: Store at 2-8°C for up to one month. For long-term storage, store at -80°C. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: P01189 ([UniProt](#), [ExPASy](#))

Gene Symbol: POMC

GeneID: [5443](#)

KEGG: hsa:5443

String: [9606.ENSP00000384092](#)

Molecular Weight: Calculated MW: 30.9 kDa
Observed MW (SDS-PAGE): 37 kDa
Possible reasons why the actual band size differs from the predicted band size:

1. Splice variants. Alternative splicing may create different sized proteins from the same gene.
2. Relative charge. The composition of amino acids may affect the charge of the protein.
3. Post-translational modification. Phosphorylation, glycosylation, methylation etc. may affect the band size.
4. Post-translational cleavage. Many proteins are synthesised as pro-proteins, and then cleaved to give the active form.
5. Polymerisation of the target protein. Dimerisation, multimerisation etc. will increase the band size observed.

Sequence Fragment: Glu23-Glu267

Sequence: EVRGWCLE SSQCQDLTTE SNLLECIRAC KPDLSAETPM FPGNGDEQPL TENPRKYVMG
HFRWDRFGRR NSSSSGSSGA GQKREDVSAG EDCGPLPEGG PEPRSDGAKP GPREGKRSYS
MEHFRWGKPV GKKRRPVKVY PNGAEDESAE AFPLEFKREL TGQRLREGDG PDGPADDGAG
AQADLEHSLV VAAEKKDEGP YRMEHFRWGS PPKDKRYGGF MTSEKSTPL VTLFKNIIK
NAYKKGE

Tag: N-terminal His tag

Buffer: Prior to lyophilization: 100 mM NaHCO₃, 500 mM NaCl, pH 8.3, containing 1 mM EDTA, 1 mM DTT, 0.01% Sarcosyl, 5% Trehalose and Proclin-300.

Concentration: Prior to lyophilization: 200 µg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.