



# Recombinant Human ATP5F1A Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP06213

**Protein Name:** Atp Synthase F1 Subunit Alpha (ATP5F1A)

**Aliases:** OMR; ORM; APM; MOM2; ATP5A; hATP1; ATP5A1; MC5DN4; ATP5AL2; COXPD22; MC5DN4A; MC5DN4B; HEL-S-123m; ATP synthase F1 subunit alpha; ATP sythase (F1-ATPase) alpha subunit; ATP synthase alpha chain, mito...

**UniProt ID:** P25705

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P25705/entry>

**Species Source:** Homo sapiens (Human)

**Expression System:** E.coli

**Protein Length:** Full Length of Mature Protein (44-553aa)

**Molecular Weight:** 59.2kDa

**Protein Tag:** N-terminal 6xHis-tagged

## 2. Amino Acid Sequence (44-553aa)

QKTGTAEMSSILEERILGADTSVDLEETGRVLSIGDGIARVHGLRNVQAEEMVEFSS  
GLKGMSLNLEPDNVGVVFGNDKLIKEGDIVKRTGAIVDVPVGEELLGRVVDALGNA  
IDGKGPIGSKTRRRVGLKAPGIIPRISVREPMQTGIKAVDSLVPIGRGQRELIIGDRQT  
GKTSIAIDTIINQKRFNDGSDEKKKLYCIYVAIGQKRSTVAQLVKRLTDADAMKYTIVV  
SATASDAAPLQYLAPYSGCSMGEYFRDNGKHALIYDDLKQAVAYRQMSLLLRP  
PGREAYPGDVFYLSRLLERAAMNDAFGGGSALTALPIETQAGDVSAYIPTNVISIT  
DGQIFLETIFYKIRPAINVGLSVSRVGSAAQTRAMKQVAGTMKLELAQYREVA  
AQFGSDLDAATQQLSRGVRLTELLKQGQYSPMAIEEQVAVIYAGVRGYLDKLEPS  
KITKFENAFLSHVVSQHQALLGTIRADGKISEQSDAKLKEIVTNFLAGFEA

## 3. Storage Buffer

**Liquid Delivery Form:** Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

**Lyophilized Powder Delivery Form:** Pre-lyophilization buffer is Tris/PBS-based

## 4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

## 5. Product Description

This product is a recombinant Human ATP5F1A full length of mature protein protein (44-553aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. ATP5F1A, also known as OMR or ORM or ATPM, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

## 6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.