

# Recombinant Human SAE1 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP08155

**Protein Name:** Activator Of Sumo1 (SAE1)

**Aliases:** AOS1; SUA1; UBLE1A; HSPC140; activator of SUMO1; SUMO-1 activating enzyme E1 N subunit; ubiquitin-like 1-activating enzyme E1A; ubiquitin-like protein SUMO-1 activating enzyme

**UniProt ID:** Q9UBE0

**UniProt Link:** <https://www.uniprot.org/uniprotkb/Q9UBE0/entry>

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

**Expression System:** E.coli

**Protein Length:** Full Length (1-346aa)

**Molecular Weight:** 65.4kDa

**Protein Tag:** N-terminal GST-tagged

## 2. Amino Acid Sequence (1-346aa)

MVEKEEAGGGISEEEAAQYDRQIRLWGLEAQKRLRASRVLLVGLKGLGAEIAKNLIL  
AGVKGLTMLDHEQVTPEDPGAQFLIRTGSVGRNRAEASLERAQNLNPMVDVKVDT  
EDIEKKPESFFTQFDAVCLTCCSRDVIVKVDQICHKNSIKFFTGDVFGYHGYTFANLG  
EHEFVEEKTAKVKSQGVEDGPDTKRAKLDSSSETTMVKKKVVFCPVKEALEVDWS  
SEKAKAALKRRTTSDYFLLQVLLKFRDVKGRDPSSDYEEDSELLLQIRNDVLDLSGIS  
PDLLPEDFVRYCFSEMAPVCAVVGILAQEIVKALSQRDPPHNNFFFFDGMKGNIGI  
VECLGPK

## 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 buffer containing 6% Trehalose.



## 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 SAE1 full length protein (1-346aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. SAE1, also known as AOS1 or SUA1 or UBLE1A, 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.