



Recombinant Human CES3 Protein Product Manual

1. Product Basic Information

Product No.: REP06434

Protein Name: Esterase 31 (CES3)

Aliases: esterase 31; carboxylesterase carboxylesterase 3 (brain); liver carboxylesterase 31 homolog

UniProt ID: Q6UWW8

UniProt Link: <https://www.uniprot.org/uniprotkb/Q6UWW8/entry>

Species Source: Homo sapiens (Human)

Expression System: Yeast

Protein Length: Full Length of Mature Protein (27-571aa)

Molecular Weight: 61.1 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (27-571aa)

TGPEVAQPEVDTTTLGRVRGRQVGKGTDRLVNVFLGIPFAQPPLGPDRFSAPHPA
QPWEGVRDASTAPPMCLQDVESMNSSRFVLNGKQQIFSVSEDCLVLNVYSPA EVP
AGSGRPVMVWVHGGALITGAATSYDGSALAAYGDVVVVTVQYRLGVLGFFSTGDE
HAPGNQGFLDVVAALRWVQENIAPFGGDLNCVTVFGGSSAGGSIIISGLVLS PVAAGL
FHRAITQSGVITTPGIIDSHPWPLAQKIAN TLACSSSSPAEMVQCLQQKEGEELVLSK
KLKNTIYPLTVDGTVPKSPKELLKEKPFHSPFLMGVNNHEFSWLIPRGWGLLDTM
EQMSREDMLAISTPVLTS LDVPPPEMMPTVIDEYLG SNSDAQAKCQAFQEFMGDVFI
NVPTVSFSRYLRDSGSPVFFYEFQHRPSSFAKIPAWVKADHGAEGAFVFGGPFL
MDESSRLAFPEATEEEKQLSLTMM AQWTHFARTGDPNSKALPPWPQFNQAEQYL
EINPVPRAGQKFREAWMQFWSETLPSKIQQWHQKQKNRKAQEDL

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 CES3 full length of mature protein protein (27-571aa) expressed in Yeast. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. CES3, also known as esterase 31 or carboxylesterase carboxylesterase 3 (brain) or liver carboxylesterase 31 homolog, 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.