

Recombinant Human RAD1 Protein Product Manual

1. Product Basic Information

Product No.: REP07998

Protein Name: Rad1 Homolog (RAD1)

Aliases: REC1; HRAD1; RAD1 homolog; exonuclease homolog RAD1; DNA repair exonuclease REC1; RAD1 checkpoint DNA exonuclease; RAD1 checkpoint clamp component; checkpoint control protein HRAD1; cell cycle checkpo...

UniProt ID: O60671

UniProt Link: <https://www.uniprot.org/uniprotkb/O60671/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-282aa)

Molecular Weight: 58.8kDa

Protein Tag: N-terminal GST-tagged

2. Amino Acid Sequence (1-282aa)

MPLLTQQIQDEDDQYSLVASLDNVRNLSTILKAIHFREHATCFATKNGIKVTVENAKC
VQANAFIQAGIFQEFKVVQEE SVTFRINLTVLLDCLSIFGSSPMPGTLTALRMCYQGY
GYPLMLFLEEGGVVTVCKINTQEPEETLDFDFCSTNVINKIILQSEGLREAFSELDMT
SEVLQITMSPDKPYFRLSTFGNAGSSHLDYPKDSLMEAFHCNQTQVNRYKISLLK
PSTKALVLSCKVSIRTDNRGFLSLQYMIRNEDGQICFVEYYCCPDEEVPESSES

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



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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 RAD1 full length protein (1-282aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. RAD1, also known as REC1 or HRAD1 or RAD1 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.