



Recombinant Human DLG4 Protein Product Manual

1. Product Basic Information

Product No.: REP06681

Protein Name: Synapse-Associated Protein 90 (DLG4)

Aliases: MRD62; PSD95; SAP90; SAP-90; synapse-associated protein 90; post-synaptic density protein 95; discs large MAGUK scaffold protein 4

UniProt ID: P78352

UniProt Link: <https://www.uniprot.org/uniprotkb/P78352/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-724aa)

Molecular Weight: 84.5 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-724aa)

MDCLCIVTTKKYRYQDEDTPPLEHSPAHLPNQANSPPVIVNTDTLEAPGYELQVNG
TEGEMEYEEITLERGNSGLGFSIAGGTDNPHIGDDPSIFITKIIPGGAAAQDGRLRVN
DSILFVNEVDVREVTTHSAAVEALKEAGSIVRLYMRRKPPAEKVMEIKLIKGPGLGF
SIAGGVGNQHIPGDNSIYVTKIIEGGAHKDGRLLQIGDKILAVNSVGLEDVMHEDAVA
ALKNTYDVVYLKVAKPSNAYLSDSYAPPDITTSYSQHLDNEISHSSYLGTDYPTAMT
PTSPRRYSPVAKDLLGEEDIPREPRRIVHRGSTGLGFNIVGGEDGEGIFISFILAGGP
ADLSGELRKGDQILSVNGVDLRNASHEQAAIALKNAGQTVTIIAQYKPEEYSRFEAKI
HDLREQLMNSSLGSGTASLRSNPKRGFYIRALFDYDKTKDCGFLSQALSFRFGDVL
HVIDASDEEWWQARRVHSDSETDDIGFIPSKRRVERREWSRLKAKDWGSSSGSQ
GREDVLSYETVTQMEVHYARPIIILGPTKDRANDDLLSEFPDKFGSCVPHTTRPKR
EYEIDGRDYHFVSSREKMEKDIQAHKFIEAGQYNHLYGTSVQSVREVAEQGKHCI
LDVSANAVRRLQAAHLHPAIFIRPRSLNVLEINKRITEEQARKAFDRATKLEQEFTE
CFSAIVEGDSFEEIYHKVKRVIEDLSGPYIWVPARERL

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom



Enlibio Wuhan Enlibio Biotech Co.,Ltd Manuals version5.9
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 DLG4 full length protein (1-724aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. DLG4, also known as MRD62 or PSD95 or SAP90, 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.