



Recombinant Human KEAP1 Protein Product Manual

1. Product Basic Information

Product No.: REP07281

Protein Name: Keap1 Delta Kelch-Like Protein 19 (KEAP1)

Aliases: INrf2; KLHL19; KEAP1 delta kelch-like protein 19; cytosolic inhibitor of Nrf2; kelch-like family member 19

UniProt ID: Q14145

UniProt Link: <https://www.uniprot.org/uniprotkb/Q14145/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-624aa)

Molecular Weight: 117.4 kDa

Protein Tag: N-terminal MBP-tagged and C-terminal 6xHis-Avi-tagged

2. Amino Acid Sequence (1-624aa)

MQPDPRPSGAGACCRFLPLQSQCPEGAGDAVMYASTECKAEVTPSQHGNRTFSY
TLEDHTKQAFGIMNELRLSQQLCDVTLQVKYQDAPAAQFMAHKVVLASSSPVFKAM
FTNGLREQGMEVVSIIEGHPKVMERLIEFAYTASISMGEKCVLHVMNGAVMYQIDSV
VRACSDFLVQQLDPSNAIGIANFAEQIGCVELHQRAREYIYMHFGEVAKQEEFFNLS
HCQLVTLISRDDLNVRCSEVFHACINWVKYDCEQRRFYVQALLRAVRCHSLTPNF
LQMQLQKCEILQSDSRCKDYLVKIFEELTLHKPTQVMPCRAPKVGRLIYTAGGYFRQ
SLSYLEAYNPSDGTWLRADLQVPRSLAGCVVGGLLYAVGGRNNSPDGNTDSSA
LDCYNPMTNQWSPCAPMSVPRNRIGVGVIDGHIYAVGGSHGCIHHNSVERYEPER
DEWHLVAPMLTRRIGVGVAVLNRLLYAVGGFDGTNRLNSAECYYPERNWRMITA
MNTIRSGAGVCVLHNCIYAAGGYDGQDQLNSVERYDVETETWTFVAPMKHRRSAL
GITVHQGRIYVLGGYDGHTFLDSVECYDPD TDWSEVTRMTSGRSGVGVAVTMEP
CRKQIDQQNCTC

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)

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 KEAP1 full length protein (1-624aa) expressed in E.coli. The protein is dual-tagged with MBP tag at the N-terminus and 6xHis-Avi tag at the C-terminus, which facilitates protein purification, detection and identification. KEAP1, also known as INrf2 or KLHL19 or KEAP1 delta kelch-like protein 19, 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.