



Recombinant Human FOXO1 Protein Product Manual

1. Product Basic Information

Product No.: REP06922

Protein Name: Forkhead Box O1 (FOXO1)

Aliases: FKH1; FKHR; FOXO1A; forkhead box O1; forkhead box protein O1; forkhead box protein O1A

UniProt ID: Q12778

UniProt Link: <https://www.uniprot.org/uniprotkb/Q12778/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-655aa)

Molecular Weight: 77.2 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (1-655aa)

MAEAPQVVEIDPDFEPLPRPRSCWPLPRPEFSQSNSATSSPAPSGSAAANPDAA
AGLPSASAAVSADFMNSLSLLEESDFPQAPGSVAAAVAAAAAAATGGLCGDF
QGPEAGCLHPAPPQPPPGPLSQHPPVPPAAAGPLAGQPRKSSSSRRNAWGNLS
YADLITKAIESSAEKRLTLSQIYEWVMKSVPYFKDKGDSNSSAGWKNSIRHNLSLHS
KFIRVQNEGTGKSSWWMLNPEGGKSGKSPRRRAASMDNNSKFAKSRRAAKKKA
SLQSGQEGAGDSPGSQFSKWPASPGSHSNDDFDNWSTFRPRTSSNASTISGRLS
PIMTEQDDLGEQDVHSMVYPPSAAKMASTLPSLSEISNPENMENLLDNLNLLSSPTS
LTVSTQSSPGTMMQQTTPCYSFAPPNTSLNSPSPNYQKYTYGQSSMSPLPQMPIQT
LQDNKSSYGGMSQYNCAPGLLKELLTSDSPPHNDIMTPVDPGVAQPNSRVLGQNV
MMGPNSVMSTYGSQASHNKMMNPSSHTHPGHAQQTSVNGRPLPHTVSTMPHT
SGMNRLTQVKTPVQVPLPHPMQMSALGGYSSVSSCNGYGRMGLLHQEKLPDLD
GMFIERLDCDMESIIRNDLMDGDTLDFNFDNVLPNQSFPHSVKTTTTHSWVSG

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 FOXO1 full length protein (1-655aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. FOXO1, also known as FKH1 or FKHR or FOXO1A, 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.