

Recombinant Mouse FOXF1 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51632

Size: 10ug, 100ug

Protein Name: Forkhead box protein F1 (Forkhead-related protein FKHL5) (Forkhead-related transcription factor 1) (FREAC-1) (Hepatocyte nuclear factor 3 forkhead homolog 8) (HFH-8)

Synonym: Foxf1, Fkhl5, Foxf1a, Freac1, Hfh8

UniProt ID: Q61080

UniProt Link: www.uniprot.org/uniprotkb/Q61080/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 378 AA

Molecular Weight: 40 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MSAPDKQQPPHGGGTGGGGGAGGQAMDPAAAGPTKAKKTNAGVRRPEKPPYSYIALIVMAIQSSP
SKRLTLSEIYQFLQARFPFFRGAYQGWKNSVRHNLNLNECFIKLPKGLGRPGKGHYWTIDPASEFMF
EEGSFRRRPRGFRRKQALKPVYSMVNGLGFNHLPDYGFQGSGLSCAPNSLALEGGGLGMMNG
HLAGNVDGMALPSHVSPLPSNGGHSYMGCGGSAAGEYPHHDSSVPASPLLPAAGAGGVMEPHA
VYSSSAAAWPPAASALNSGASYIKQQLSPCNPAANPLSGSISTHSLEQPYLHQNSHNGPAELQGI
PRYHSQSPSMCDRKEFVFSFNAMASSSMHTTGGSYYHQVQTYQDIKPCVM

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant Forkhead box protein F1 (Forkhead-related protein FKHL5) (Forkhead-related transcription factor 1) (FREAC-1) (Hepatocyte nuclear factor 3 forkhead homolog 8) (HFH-8) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: Probable transcription activator for a number of lung-specific genes.

Subcellular Localization: Nucleus .

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.