

Recombinant Mouse FUBP2 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51587

Size: 10ug, 100ug

Protein Name: Far upstream element-binding protein 2 (FUSE-binding protein 2) (KH type-splicing regulatory protein) (KSRP)

Synonym: Khgrp, Fubp2

UniProt ID: Q3U0V1

UniProt Link: www.uniprot.org/uniprotkb/Q3U0V1/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 748 AA

Molecular Weight: 77 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MSDYNTGGPPPPGPPPPAGGGGGAAGAGGGPPPGPPGAGDRGGGGPGGGGPGGGGASGGPSQ
PPGGGGPGIRKDAFADAVQRRARQIAAKIGGDAATTVNNNTPDFGFGGQKRQLEDGDQPDSSKLLAS
QGDSIGSQLGPIHPPPRSTMTTEYRVPDGMVGLIIGRGGEQINKIQDQSGCKVQISPDSGGLPERSV
SLTGAPESVQKAKMMLDDIVSRGRGGPPGQFHDNANGGQNGTVQEIMIPAGKAGLVIGKGGETIKQ
LQERAGVKMILIQDGSQNTNVDKPLRIIGDPYKVQQACEMVMDILRERDQGGFGDRNEYGSRVGGG
IDVPVPRHSVGVVIGRSGEMIKKIQNDAGVRIQFKQDDGTGPEKIAHIMGPPDRCEHAARIINDLLQSL
RSGPPGPPGAPGMPGGRRGRGRGQGNWGPPGGEMTFSIPTHKCGLVIGRGGENVKAINQQTGAF
VEISRQLPPNGDPNFKLFVIRGSPQQIDHAKQLIEEKIEGPLCPVGP GPGGPGPAGPMGPFNPGPFN
QGPPGAPPHAGGPPPHQYPPQGWGNTYPQWQPPAPHPDNKAAAAATDPNAAWAAAYYSHYYQQP
PGPVPGPAPAPAAPPAQGEPPQPPTGQSDYTKAWEEYKKGQQPQQPGAPPQQDYTKAWEEY
YKKQAQVATGGGPGAPPGSQPDYSAAWAEYRQQAAYYGQTPGPGGPQPPTQQGQQQASGN
CHPPPPPFQPPATVHPALVGSAGNPFPCGVCP

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 Far upstream element-binding protein 2 (FUSE-binding protein 2) (KH type-splicing regulatory protein) (KSRP) 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: Binds to the dendritic targeting element and may play a role in mRNA trafficking. Part of a ternary complex that binds to the downstream control sequence (DCS) of the pre-mRNA. Mediates exon inclusion in transcripts that are subject to tissue-specific alternative splicing. May interact with single-stranded DNA from the far-upstream element (FUSE). May activate gene expression. Also involved in degradation of inherently unstable mRNAs that contain AU-rich elements (AREs) in their 3'-UTR, possibly by recruiting degradation machinery to ARE-containing mRNAs (By similarity).

Subcellular Localization: Nucleus . Cytoplasm . Note=A small proportion is also found in the cytoplasm of neuronal cell bodies and dendrites.

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.