

Recombinant Full Length Human ANKHD1 Protein, GST-tagged

Cat. No. ANKHD1-1214HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ANKHD1 full-length ORF (NP_078944.2, 1 a.a. - 627 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	627 amino acids
Description	This gene encodes a protein with multiple ankyrin repeat domains and a single KH-domain. The protein is thought to function as a scaffolding protein, and it may be involved in the regulation of caspases and thereby play an antiapoptotic role in cell survival. Alternative splicing results in multiple transcript variants, one of which generates a fusion transcript (MASK-BP3) with the downstream eIF4E-binding protein 3 (EIF4EBP3) gene, resulting in a protein comprised of the ANKHD1 sequence for the majority of the protein and a different C-terminus due to an alternate reading frame for the EIF4EBP3 segments. [provided by RefSeq, Sep 2010]
Molecular Mass	91.3 kDa
AA Sequence	MLTDSGGGGT SFEEDLDSVA PRSAPAGASE PPPGGVGLG IRTVRLFGEA GPASGVGSSG GGGSGSGTGG GDAALDFKLA AAVLRTGGGG GASGSDEDEV SEVESFILDQ EDLDNPVLKT TSEIFLSSTA EGADLRTVDP ETQARLEALL EAAGIGKLST ADGKAFADPE VLRRLTSSVS CALDEAAAAL TRMKAENSHN

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AGQVDTRSLA EACSDGDVNA VRKLLDEGRS VNEHTEEGES LLCLACSAGY
 YELAQVLLAM HANVEDRGNK GDITPLMAAS SGGYLDIVKL LLLHDADVNS
 QSATGNTALT YACAGGFVDI VKVLLNEGAN IEDHNENGHT PLMEAASAGH
 VEARVLLDH GAGINTHSNE FKESALTAC YKGHLDMVRF LLEAGADQEH
 KTDEMHTALM EACMDGHVEV ARLLDLSGAQ VNMPADSFES PLTLAACGGH
 VELAALLIER GANLEEVNDE GYTPLMEAAR EGHEEMVALL LAQGANINAQ
 TEETQETALT LACCGGFSEV ADFLIKAGAD IELGCSTPLM EASQEGHLEL
 VKYLLASGAN VHATTATGDT ALTYACENGH TDVADVLLQA GADLDKQEDM
 KTILEGIDPA KHQVRVAFDA CKLLRKE

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[ANKHD1 ankyrin repeat and KH domain containing 1 \[Homo sapiens \]](#)

Official Symbol

[ANKHD1](#)

Synonyms

ANKHD1; ankyrin repeat and KH domain containing 1; ankyrin repeat and KH domain-containing protein 1; FLJ10042; FLJ11979; FLJ14127; FLJ20288; KIAA1085; MASK; HIV-1 Vpr-binding ankyrin repeat protein; multiple ankyrin repeats, single KH-domain homolog; VBARP; PP2500

Gene ID

[54882](#)

mRNA Refseq

[NM_001197030](#)

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Protein Refseq	NP_001183959
MIM	610500
UniProt ID	Q8IWZ3

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