

Product datasheet for **TP701249**

ARIH1 (NM_005744) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human ariadne homolog, ubiquitin-conjugating enzyme E2 binding protein, 1 (Drosophila) (ARIH1), [Met1-Gly88, Pro91-End], 20ug
Species:	Human
Expression Host:	HEK293



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Expression cDNA Clone or AA Sequence:
 1 MDSDEGYNYE FDEDEECSEE
 21 DSGAEEEEDE DDDEPDDDTL
 41 DLGEVELVEP GLGVGGERDG
 61 LLCGETGGGG GSALGPGGGG
 81 GGGGGGGGPG HEQEEDYRYE
 101 VLTAEQILQH MVECIREVNE
 121 VIQNPATITR ILLSHFNWDK
 141 EKLMERYFDG NLEKLFAECH
 161 VINPSKKSRT RQMNRSSAQ
 181 DMPQCICYLN YPNSYFTGLE
 201 CGHKFCMQCW SEYLTTKIME
 221 EGMGQTISCP AHGCDILVDD
 241 NTVMLITDS KVCLKYQHLI
 261 TNSFVECNRL LKWCPAPDCH
 281 HVVKVQYPDA KPVRCKCGRQ
 301 FCFNCGENWH DPVKCKWLKK
 321 WIKKDDDDSE TSNWIAANTK
 341 ECPKCHVTIE KDGGCNHMVC
 361 RNQNCKAEFC WVCLGPWEPH
 381 GSAWYNCNRY NEDDAKAARD
 401 AQERSRAALQ RYLFYCNRYM
 421 NHMQSLRFEH KLYAQVKQKM
 441 EEMQQHNMSW IEVQFLKKAV
 461 DVLCQCRATL MYTYVFAFYL
 481 KKNNSIIFE NNQADLENAT
 501 EVLSGYLERD ISQDSLQDIK
 521 QKVQDKYRYC ESRRRVLLQH
 541 VHEGYEKDLW EYIED

Tag: C-Myc/DDK
Predicted MW: 63.9 kDa
Concentration: >0.05 µg/µL as determined by microplate Bradford method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol
Storage: Store at -80°C after receiving vials.
Stability: Stable for at least 1 year from receipt of products under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq: [NP_005735](#)
Locus ID: 25820
UniProt ID: [Q9Y4X5](#)
RefSeq Size: 2178

Cytogenetics: 15q24.1

RefSeq ORF: 1671

Synonyms: ARI; HARI; HHARI; UBCH7BP

Summary: E3 ubiquitin-protein ligase, which catalyzes ubiquitination of target proteins together with ubiquitin-conjugating enzyme E2 UBE2L3 (PubMed:15236971, PubMed:21532592, PubMed:24076655, PubMed:27565346, PubMed:23707686). Acts as an atypical E3 ubiquitin-protein ligase by working together with cullin-RING ubiquitin ligase (CRL) complexes and initiating ubiquitination of CRL substrates: associates with CRL complexes and specifically mediates addition of the first ubiquitin on CRLs targets (PubMed:27565346). The initial ubiquitin is then elongated by CDC34/UBE2R1 and UBE2R2 (PubMed:27565346). E3 ubiquitin-protein ligase activity is activated upon binding to neddylated cullin-RING ubiquitin ligase complexes (PubMed:24076655, PubMed:27565346). Plays a role in protein translation in response to DNA damage by mediating ubiquitination of EIF4E2, the consequences of EIF4E2 ubiquitination are however unclear (PubMed:25624349). According to a report, EIF4E2 ubiquitination leads to promote EIF4E2 cap-binding and protein translation arrest (PubMed:25624349). According to another report EIF4E2 ubiquitination leads to its subsequent degradation (PubMed:14623119). Acts as the ligase involved in ISGylation of EIF4E2 (PubMed:17289916).[UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified ARIH1 protein (Cat #TP701249). The protein was produced from mammalian cells transfected with ARIH1 cDNA clone (Cat #[RC208707]).