*Division of Signal Transduction Therapy*

# Standard Operation Procedure

# Preparation of ARIH1

**Enzyme description:-** ARIH1 1-394 (full length)

**Clone number:-** DU24260

**Source:-** human recombinant

**Tag:-** cleaved from GST-TEV-

**Purification method:-** GSH-agarose, TEV-protease

**Expression system:-** *E.coli*

**Calculated molecular mass:-**

| | |
|---|---|
| Monoisotopic | 44419 |
| Average Mass | 44447 |

[cysteines reduced, methionines have not been oxidised]

**Theoretical pI:-** 4.59

**Purity:-** 90%

**Enzyme storage buffer:-**

50 mM HEPES pH 7.5, 10% glycerol, 150mM NaCl, 1mM DTT

**Storage temperature:-** -80ºC

**Assay:-**

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## Clone Data Sheet

## ARIH1 full length

| | |
|---|---|
| **Protein** | ARIH1 1-394 |
| **Synonyms** | ARI; HARI; HHARI; UBCH7BP |
| **Clone Number** | DU24260 |
| **Species** | Human |
| **Accession Number** | NP_005735 |
| **Tags** | GST-tag removed |
| Aminoacid sequence of the purified protein | GG**MDSDEGYNYEFDEDEECSEEDSGAEEEEDEDDDEPDDDTLDL GEVELVEPGLGVGGERDGLLCGETGGGGGSALGPGGGGGGGGGG GGGGPGHEQEEDYRYEVLTAEQILQHMVECIREVNEVIQNPATI TRILLSHFNWDKEKLMERYFDGNLEKLFAECHVINPSKKSRTRQ MNTRSSAQDMPCQICYLNYPNSYFTGLECGHKFCMQCWSEYLTT KIMEEGMGQTISCPAHGCDILVDDNTVMRLITDSKVKLKYQHLI TNSFVECNRLLKWCPAPDCHHVVKVQYPDAKPVRCKCGRQFCFN CGENWHDPVKCKWLKKWIKKCDDDSETSNWIAANTKECPKCHVT IEKDGGCNHMVCRNQNCKAEFCWVCLGPWEPHGSAWYNCNRYNE** |
| Native sequence | in bold |
| Protease cleavage | TEV protease site |
| Cloning sites | BamHI / NotI |

**DNA sequence of insert**

GGATCCGAAAACCTGTATTTTCAGGGTGGCATGGACTCGGACGAGGGCTA
CAACTACGAGTTCGACGAGGACGAGGAGTGCAGTGAGGAGGACAGCGGCG
CCGAGGAGGAGGAGGACGAAGACGACGACGAGCCGGACGATGATACCCTG
GATCTGGGCGAGGTGGAGCTGGTGGAGCCCGGGCTGGGCGTCGGCGGGGA
GCGGGACGGACTGCTGTGCGGGGAGACGGGCGGTGGCGGCGGCAGCGCTC
TGGGGCCCGGCGGTGGCGGCGGCGGCGGCGGCGGTGGTGGTGGCGGG
CCGGGGCATGAGCAGGAGGAGGATTACCGCTACGAGGTGCTCACGGCCGA
GCAGATTCTACAACACATGGTGGAATGTATCCGGGAGGTCAACGAGGTCA
TCCAGAATCCAGCAACTATCACAAGAATACTCCTTAGCCACTTCAATTGG
GATAAAGAGAAGCTAATGGAAAGGTACTTTGATGGAAACCTGGAGAAGCT
CTTTGCTGAGTGTCATGTAATTAATCCAAGTAAAAAGTCTCGAACACGCC
AGATGAATACAAGGTCATCAGCACAGGATATGCCTTGTCAGATCTGCTAC
TTGAACTACCCTAACTCGTATTTCACTGGCCTTGAATGTGGACATAAGTT
TTGTATGCAGTGCTGGAGTGAATATTTAACTACCAAAATAATGGAAGAAG
GCATGGGTCAGACTATTTCGTGTCCTGCTCATGGTTGTGATATCTTAGTG
GATGACAACACAGTTATGCGCCTGATCACAGATTCAAAAGTTAAATTAAA
GTATCAGCATTTAATAACAAATAGCTTTGTAGAGTGCAATCGACTGTTAA
AGTGGTGTCCTGCCCCAGATTGCCACCATGTTGTTAAAGTCCAATATCCT
GATGCTAAACCTGTTCGCTGCAAATGTGGGCGCCAATTTTGCTTTAACTG
TGGAGAAAATTGGCATGATCCTGTTAAATGTAAGTGGTTAAAGAAATGGA
TTAAAAAGTGTGATGATGACAGTGAAACCTCCAATTGGATTGCAGCCAAC
ACAAAGGAATGTCCCAAATGCCATGTCACAATTGAGAAGGATGGTGGTTG
TAATCACATGGTCTGTCGTAACCAGAATTGTAAAGCAGAGTTTTGCTGGG
TGTGTCTTGGCCCATGGGAACCACATGGATCTGCCTGGTACAACTGTAAC
CGCTATAATGAGtgagcggccgc