OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TP302787M

ARHI (DIRAS3) (NM_004675) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human DIRAS family, GTP-binding RAS-like 3 (DIRAS3), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202787 protein sequence Red=Cloning site Green=Tags(s) MGNASFGSKEQKLLKRLRLLPALLILRAFKPHRKIRDYRVVVVGTAGVGKSTLLHKWASGNFRHEYLPTI ENTYCQLLGCSHGVLSLHITDSKSGDGNRALQRHVIARGHAFVLVYSVTKKETLEELKAFYELICKIKGN NLHKFPIVLVGNKSDDTHREVALNDGATCAMEWNCAFMEISAKTDVNVQELFHMLLNYKKKPTTGLQEPE KKSQMPNTTEKLLDKCIIM TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	25.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	In vitro kinase assay substrate (negative control) (PMID:26146988)
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_004666
Locus ID:	9077

View online »

UniProt ID: O95661

RefSeq Size: 1642

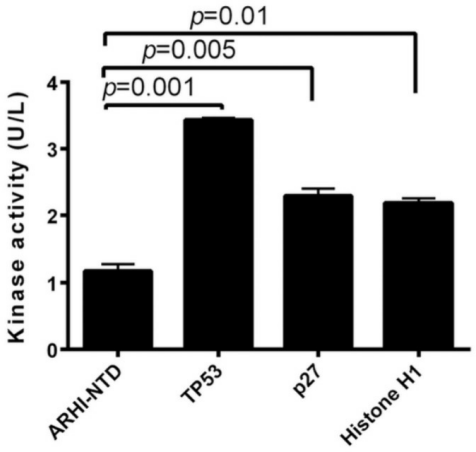
Cytogenetics: 1p31.3

RefSeq ORF: 687

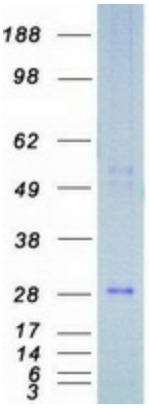
Synonyms: ARHI; NOEY2

Summary: This gene encodes a member of the ras superfamily. This gene is imprinted gene with monoallelic expression of the paternal allele which is associated with growth suppression. The encoded protein acts as a tumor suppressor whose function is abrogated in many ovarian and breast cancers. This protein may also play a role autophagy in certain cancer cells by regulating the autophagosome initiation complex. [provided by RefSeq, Nov 2015]

Product images:



CDK5 enhanced phosphorylation of TP53 and p27Kip, as measured by a fluorescence-based in vitro kinase assay. The unrelated protein, ARHI-NTD (OriGene [TP302787]), served as a negative control, and histone H1 as a positive control. Figure cited from PLoS ONE, PMID: 26146988



Coomassie blue staining of purified DIRAS3 protein (Cat# [TP302787]). The protein was produced from HEK293T cells transfected with DIRAS3 cDNA clone (Cat# [RC202787]) using MegaTran 2.0 (Cat# [TT210002]).