

## Product datasheet for **TP302787**

### 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), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202787 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MGNASFGSKEQKLLKRLRLLPALLILRAFKPHRKIRDYRVVVGTAGVGKSTLLHKWASGNFRHEYLPTI ENTYCQLLGCSHGVLSLHITDSKSGDGNRALQRHVIARGHAFVLVYSVTKKETLEELKAFYELICKIKGN NLHKFPIVLVGNKSDDTHREVALNDGATCAMEWNCAMFMEISAKTDVNVQELFHMLLNYYKKKPTTGLQEPE KKSQMPNTTEKLLDKCIIM</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
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: <a href="#">26146988</a> )
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:	<a href="#">NP_004666</a>
Locus ID:	9077



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UniProt ID: [Q95661](#)

RefSeq Size: 1642

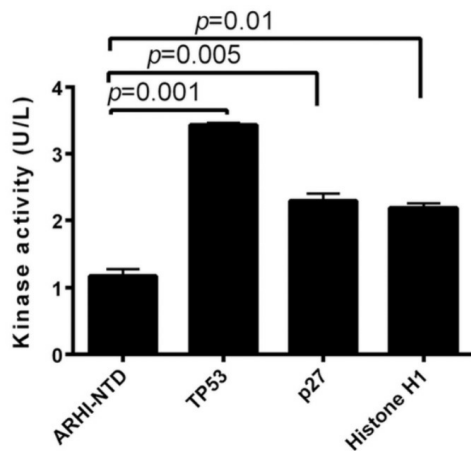
Cytogenetics: 1p31.3

RefSeq ORF: 687

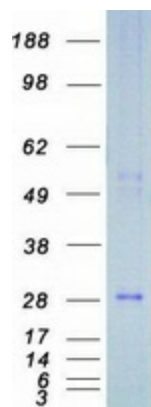
Synonyms: ARHI; NOEY2

**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]).