

## Product datasheet for **RC224363L4V**

### Aprataxin (APTX) (NM\_175071) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:             | Lentiviral Particles                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Product Name:             | Aprataxin (APTX) (NM_175071) Human Tagged ORF Clone Lentiviral Particle                                                                                                                                                                                                                                                                                                                                                                            |
| Symbol:                   | Aprataxin                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Synonyms:                 | AOA; AOA1; aprataxin; ataxia 1, early onset with hypoalbuminemia; AXA1; EAOH; EOAHA; FHA-HIT; FLJ20157; MGC1072; OTTHUMP00000021188                                                                                                                                                                                                                                                                                                                |
| Mammalian Cell Selection: | Puromycin                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Tag:                      | mGFP                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ACCN:                     | NM_175071                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORF Size:                 | 765 bp                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC224363).                                                                                                                                                                                                                                                                                                                                                                                     |
| OTI Disclaimer:           | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a> |
| OTI Annotation:           | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.                                                                                                                                                                                                                                                                                                               |
| RefSeq:                   | <a href="#">NM_175071.1</a> , <a href="#">NP_778241.1</a>                                                                                                                                                                                                                                                                                                                                                                                          |
| RefSeq Size:              | 1895 bp                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| RefSeq ORF:               | 506 bp                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Locus ID:                 | 54840                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Cytogenetics:             | 9p21.1                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Protein Families:         | Druggable Genome                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| MW:                       | 29.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                           |



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**Gene Summary:**

This gene encodes a member of the histidine triad (HIT) superfamily. The encoded protein may play a role in single-stranded DNA repair through its nucleotide-binding activity and its diadenosine polyphosphate hydrolase activity. Mutations in this gene have been associated with ataxia-ocular apraxia. Alternatively spliced transcript variants have been identified for this gene.[provided by RefSeq, Aug 2010]