

Product datasheet for **MR206489L4V**

Hyal3 (NM_178020) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Hyal3 (NM_178020) Mouse Tagged ORF Clone Lentiviral Particle |
| Symbol: | Hyal3 |
| Synonyms: | Hyl3 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_178020 |
| ORF Size: | 1239 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(MR206489). |
| 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. More info |
| 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: | NM_178020.2 , NP_821139.1 |
| RefSeq Size: | 1830 bp |
| RefSeq ORF: | 1239 bp |
| Locus ID: | 109685 |
| UniProt ID: | Q8VEI3 |
| Cytogenetics: | 9 58.19 cM |



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Gene Summary:

Facilitates sperm penetration into the layer of cumulus cells surrounding the egg by digesting hyaluronic acid. Involved in induction of the acrosome reaction in the sperm (PubMed:20586096). Involved in follicular atresia, the breakdown of immature ovarian follicles that are not selected to ovulate. Induces ovarian granulosa cell apoptosis, possibly via apoptotic signaling pathway involving CASP8 and CASP3 activation, and poly(ADP-ribose) polymerase (PARP) cleavage (PubMed:18653706). Has no hyaluronidase activity in embryonic fibroblasts in vitro (PubMed:18234732). Has no hyaluronidase activity in granulosa cells in vitro (PubMed:18653706).[UniProtKB/Swiss-Prot Function]