

## Retinoic Acid Receptor Responder 2 Human Recombinant

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| <b>Item Number</b>                       | rAP-4670                                                                                                                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>                          | Chemerin, TIG2, Tazarotene-induced gene 2 protein, Retinoic acid receptor responder protein 2, RAR-responsive protein TIG2, RARRES2, HP10433.                                                                                                                                                                                                                         |
| <b>Description</b>                       | RARRES2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 138 amino acids and having a total molecular mass of 16 kDa. RARRES2 Human Recombinant is purified by proprietary chromatographic techniques.                                                                                                                |
| <b>Uniprot Accession Number</b>          | Q99969                                                                                                                                                                                                                                                                                                                                                                |
| <b>Amino Acid Sequence</b>               | MELTEAQRRG LQVALEEFHK HPPVQWAFQE TSVESAAMDTP FPAGIFVRLE FKLQQTSRK RDWKK-<br>PECKV RPNGRKRKCL ACIKLGSEDK VLGRVLHCPI ETQVLREAEE HQETQCLRVQ RAGEDPHSFY<br>FPGQFAFS.                                                                                                                                                                                                      |
| <b>Source</b>                            | Escherichia Coli.                                                                                                                                                                                                                                                                                                                                                     |
| <b>Physical Appearance and Stability</b> | Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Chemerin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Chemerin should be stored at 4°C between 2-7 days and for future use below -18°C.<br>For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). |
| <b>Formulation and Purity</b>            | The RARRES2 protein was lyophilized from 0.02% TFA. Greater than 98.0% as determined by:<br>(a) Analysis by RP-HPLC.<br>(b) Analysis by SDS-PAGE.                                                                                                                                                                                                                     |
| <b>Application</b>                       |                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Solubility</b>                        | It is recommended to reconstitute the lyophilized Chemerin in sterile 18MΩ-cm H <sub>2</sub> O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.                                                                                                                                                                                  |
| <b>Biological Activity</b>               |                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Shipping Format and Condition</b>     | Lyophilized powder at room temperature.                                                                                                                                                                                                                                                                                                                               |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**