

## Recombinant Human retinoic acid receptor responder (tazarotene induced) 2, His-tagged

**Cat. No.** RARRES2-576H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | RARRES2, 21-157aa, Human, His tag, E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 21-157 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | RARRES2, also known as chemerin, is a secreted chemotactic protein that initiates chemotaxis via the ChemR23 G protein-coupled seven-transmembrane domain ligand. Expression of this gene is upregulated by the synthetic retinoid tazarotene and occurs in a wide variety of tissues. The active protein has several roles, including that as an adipokine, and is truncated on both termini from the proprotein. Recombinant human RARRES2 protein, fused to His-tag at N-terminus, was expressed in E.coli. |
| <b>Form</b>             | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Molecular Mass</b>   | 18 kDa (158aa)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>AA Sequence</b>      | MGSSHHHHHH SSGLVPRGSH MELTEAQRRG LQVALEEFHK HPPVQWAFQE<br>TSVESAVDTP FPAGIFVRLE FKLQQTSCRK RDWKKPECKV RPNGRKRKCL<br>ACIKLGSEDK VLGRLVHCPI ETQVLREAEE HQETQCLRVQ RAGEDPHSFY<br>FPGQFAFS                                                                                                                                                                                                                                                                                                                         |

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|                            |                                                                                                                                                                                                        |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>              | >85% by SDS - PAGE                                                                                                                                                                                     |
| <b>Storage</b>             | Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.                                                     |
| <b>Concentration</b>       | 1 mg/ml (determined by Bradford assay)                                                                                                                                                                 |
| <b>GENE INFORMATION</b>    |                                                                                                                                                                                                        |
| <b>Gene Name</b>           | RARRES2 retinoic acid receptor responder (tazarotene induced) 2 [ Homo sapiens ]                                                                                                                       |
| <b>Official Symbol</b>     | RARRES2                                                                                                                                                                                                |
| <b>Synonyms</b>            | RARRES2; retinoic acid receptor responder (tazarotene induced) 2; retinoic acid receptor responder protein 2; chemerin; HP10433; TIG2; RAR-responsive protein TIG2; tazarotene-induced gene 2 protein; |
| <b>Gene ID</b>             | 5919                                                                                                                                                                                                   |
| <b>mRNA Refseq</b>         | NM_002889                                                                                                                                                                                              |
| <b>Protein Refseq</b>      | NP_002880                                                                                                                                                                                              |
| <b>MIM</b>                 | 601973                                                                                                                                                                                                 |
| <b>UniProt ID</b>          | Q99969                                                                                                                                                                                                 |
| <b>Chromosome Location</b> | 7q36.1                                                                                                                                                                                                 |
| <b>Function</b>            | receptor binding;                                                                                                                                                                                      |

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