Recombinant Human RARRES2

Cat. No. RARRES2-27066TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 21-155 of Human Chemerin; 135 amino acids, MWt 15.6 kDa.
Species	Human
Source	E.coli
ProteinLength	135 amino acids
Description	This gene encodes 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.
Molecular Weight	15.600kDa
Tissue specificity	Highly expressed in skin (basal and suprabasal layers of the epidermis, hair follicles and endothelial cells). Also found in pancreas, liver, spleen, prostate, ovary, small intestine and colon.
Biological activity	Determined by its ability to chemoattract human immature dendritic cells using a concentration range of 1.0-100.0 ng/ml.
Form	Lyophilised:Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex.

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	This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% B
Purity	by SDS-PAGE
Storage buffer	Preservative: None
Storage	The lyophilized protein is stable at room temperature for up to 1 month. Working aliquots stored with a carrier protein are stable for at least 3 months at -20°C to -80°C. Avoid repeated freeze/thaw cycles. See reconstitution notes
Sequences of amino acids	ELTEAQRRGLQVALEEFHKHPPVQWAFQETSVESAVDTPFPAGIFVRLEFKLQQTS CRKRDWKKPECKVRPNGRKRKCLACIKLGSEDKVLGRLVHCPIETQVLREAEEHQE TQCLRVQRAGEDPHSFYFPGQFA

GENE INFORMATION

Gene Name	RARRES2 retinoic acid receptor responder (tazarotene induced) 2 [Homo sapiens]
Official Symbol	RARRES2
Synonyms	RARRES2; retinoic acid receptor responder (tazarotene induced) 2; retinoic acid receptor responder protein 2; chemerin; HP10433; TIG2;
Gene ID	5919
mRNA Refseq	NM_002889
Protein Refseq	NP_002880

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MIM	601973
Uniprot ID	Q99969
Chromosome Location	7q36.1
Function	receptor binding;

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