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## Product Data Sheet

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Product Name: RARRES1 Human  
 Cat. No.: GP24339  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Retinoic acid receptor responder protein 1 isoform 1; TIG1; Retinoic acid receptor responder protein 1; RAR-responsive protein TIG1; RARRES1; Recombinant Human Retinoic Acid Receptor Responder 1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSPDDPGQP QDAGVPRLL QQAARAALHF FNFRSGPSA LRVLAEVQEG RAWINPKEGC KVHVVFSTER YNPESLLQEG EGRLGKCSAR VFFKNQKPRP TINVTCTRLI EKKKRQQEDY LLYKQMKQLK NPLEIVSIPD NHGHIDPSLR LIWDLAFLGS SYVMWEMTTQ VSHYYLAQLT SVRQWKTNDD TIDFDYTVLL HELSTQEIIP CRIHLVWYPG KPLKVKYHCQ ELQTPEEASG TEEGSAVVPT ELSNF.		
Formulation	The RARRES1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

### Introduction

Retinoic Acid Receptor Responder 1 (RARRES1) is a part of the TIGs family. TIGs operate like tumor suppressor genes in human cancers and are greatly expressed in skin, hair follicles and endothelial cells plus in pancreas, spleen and intestine. TIGs are growth regulators which mediate the growth suppressive effects of retinoids.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

RARRES1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 275 amino acids (43-294) and having a molecular mass of

**Caution: Product has not been fully validated for medical applications. For research use only.**

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31.3 kDa. RARRES1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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