9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

TSHR Human

Thyroid Stimulating Hormone Receptor Human Recombinant
HRM0122

Product Overview

Name	TSHR Human

Description

Thyroid Stimulating Hormone Receptor Human Recombinant

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

TSHR solution contains PBS & 25mM K 2 CO 3 .

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.

Purity

Protein is >85%.

Applications

Serological assay for TSH receptor autoantibody.

Background

The thyroid-stimulating hormone receptor (TSHR) is a critical component of the hypothalamic-pituitary-thyroid axis, playing an essential role in regulating thyroid function. TSHR, located on the surface of thyroid follicular cells, mediates the effects of thyroid-stimulating hormone (TSH) by stimulating the production and release of thyroid hormones. Research into human TSHR has revealed its significance not only in normal thyroid physiology but also in the pathogenesis of various thyroid disorders, including Graves' disease and thyroid cancer. This paper aims to provide an overview of research publications and information on human TSHR, highlighting its structure, function, and clinical implications.

Precautions

TSHR Human is for research use only and not for use in diagnostic or therapeutic procedures.

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