

CATALOGUE #: 8HTS7

PRODUCT NAME: Thyroid stimulating hormone, human, recombinant

Source:	Expressed in a mammalian cell line
Description:	<p>Human TSH is a heterodimeric glycoprotein consisting of two non-covalently linked subunits, an alpha subunit (92 amino acid residues, aar) and a beta subunit (118 aar).</p> <p>Recombinant human TSH is produced by co-expression of the alpha (UniProt P01215) and beta (UniProt P01222) subunits of TSH.</p> <p>Does not contain tags.</p>
Applications:	Calibrator or standard in immunoassays. Biological activity has not been determined.
Analysis:	<p>Purity >95% (SDS-PAGE in non-reducing conditions)</p> <p>Product may contain free beta subunit</p> <p>Concentration is determined spectrophotometrically</p>
Purification:	Affinity chromatography
Presentation:	<p>Lyophilized from 10 mM KH₂PO₄, pH 7.4, 150 mM NaCl, 100 mM D-mannitol, 0.1 % CHAPS</p> <p>It is recommended to reconstitute this product with deionized water to its initial concentration.</p>
Storage:	<p>Lyophilized at -20 °C (-15 ... -30 °C allowed)</p> <p>Reconstituted at -70 °C (-65 ... -80 °C allowed)</p>
Other information:	<p>Avoid repeated freezing and thawing. It is recommended to aliquot the product after reconstitution.</p> <p>It is recommended to use 10 mM KH₂PO₄, pH 7.4, 150 mM NaCl, 100 mM D-mannitol, 0.1 % CHAPS, to prepare diluted samples.</p>
Material safety note:	This product is sold for research or further manufacturing use only . Standard Laboratory Practices should be followed when handling this material.