

## Product datasheet for TP304733L

### Thyroxine Binding Globulin (SERPINA7) (NM\_000354) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7 (SERPINA7), 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC204733 protein sequence  
Red=Cloning site Green=Tags(s)

MSPFLYLVLVLLVGLHATHCASPEGKVTACHSSQP NATLYKMSSINADFAFNLYRRFTVETPDKNIFFSP  
VSISAALVMLSFGACCSTQTEIVETLGFNLTDTPMVEIQHGFQHLICSLNFPKKELELQIGNALFIGKHL  
KPLAKFLNDVKTYETEVFSTDFSNISA AKQEINSHVEMQTKGKVVGLIQDLKPNTIMVLVNYIHFKAQW  
ANPFDPSKTEDSSSFLIDKTTTQVPMMHQMEQYYHLVDMELNCTVLQMDYSKNALALFVLPKEGQMESV  
EAAMSSKTLKKWNRLQKGVVDFVFPKFSISATYDLGATLLKMGIQHAYSENADFSGLTEDNGLKLSNAA  
HKAVLHIGEKGTEAAVPEVELSDQPENTFLHPHIIQIDRSFMLLILERSTRSILFLGKVVNPT EA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK

**Predicted MW:** 46.1 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_000345](#)



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Locus ID: 6906

UniProt ID: [P05543](#)

RefSeq Size: 1600

Cytogenetics: Xq22.3

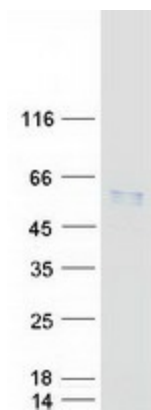
RefSeq ORF: 1245

Synonyms: TBG; TBGQTL

**Summary:** There are three proteins including thyroxine-binding globulin (TBG), transthyretin and albumin responsible for carrying the thyroid hormones thyroxine (T4) and 3,5,3'-triiodothyronine (T3) in the bloodstream. This gene encodes the major thyroid hormone transport protein, TBG, in serum. It belongs to the serpin family in genomics, but the protein has no inhibitory function like many other members of the serpin family. Mutations in this gene result in TGB deficiency, which has been classified as partial deficiency, complete deficiency, and excess, based on the level of serum TBG. Alternatively spliced transcript variants encoding different isoforms have been found, but the full-length nature of these variants has not been determined.[provided by RefSeq, Jun 2012]

**Protein Families:** Druggable Genome, Secreted Protein

### Product images:



Coomassie blue staining of purified SERPINA7 protein (Cat# [TP304733]). The protein was produced from HEK293T cells transfected with SERPINA7 cDNA clone (Cat# [RC204733]) using MegaTran 2.0 (Cat# [TT210002]).