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Product datasheet for PH304733

Thyroxine Binding Globulin (SERPINA7) (NM_000354) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SERPINA7 MS Standard C13 and N15-labeled recombinant protein (NP_000345)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204733
Predicted MW:	46.3 kDa
Protein Sequence:	>RC204733 protein sequence Red=Cloning site Green=Tags(s) MSPFLYLVLLVLGLHATIHCASPEGKVTACHSSQPNATLYKMSSINADFAFNLYRRFTVETPDKNIFFSP VSISAALVMLSFGACCSTQTEIVETLGFNLTDTPMVEIQHGFQHLICSLNFPKKELELQIGNALFIGKHL KPLAKFLNDVKTLYETEVFSTDFSNISAAKQEINSHVEMQTKGKVVGLIQDLKPNTIMVLVNYIHFKAQW ANPFDPSKTEDSSSFLIDKTTTVQVPMMHQMEQYYHLVDMELNCTVLQMDYSKNALALFVLPKEGQMESV EAAMSSKTLKKWNRLLQKGWVDLFVPKFSISATYDLGATLLKMGIQHAYSENADFSGLTEDNGLKLSNAA HKAVLHIGEKGTEAAAVPEVELSDQPENTFLHPIIQIDRSFMLLILERSTRSILFLGKVVNPTEA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000345
RefSeq Size:	1600
RefSeq ORF:	1245
Synonyms:	TBG; TBGQTL
Locus ID:	6906

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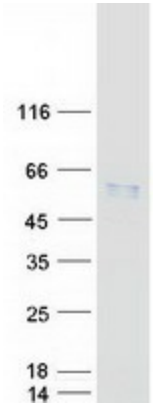
UniProt ID: P05543

Cytogenetics: Xq22.3

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]).