

## Product datasheet for **TP305943**

### Albumin (ALB) (NM\_000477) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human albumin (ALB), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205943 representing NM_000477 Red=Cloning site Green=Tags(s)

MKWTFISLLFLFSSAYSRGVFRDDAHKSEVAHRFKDLGEENFKALVLIAFAQYLQQCPFEDHVKLVNEV  
TEFAKTCVADESAENCDKSLHTLFGDKLCTVATLRETYGEMADCCAKQEPERNECFLOHKDDNPPLPRLV  
RPEVDVMCTAFHDNEETFLKKYLYEIARRHPYFYAPELLFFAKRYKAAFTTECCQAADKAAACLLPKLDEL  
DEGKASSAKQRLKCASLQKGFGERAFKAWAVARLSQRFKAEFAEVSKLVTDLTQVHTECCHGDLLECADD  
RADLAKYICENQDSISSKLEKCEKPLLEKSHCIAEVENDEMPADLPSLAADFVESKDVCKNYAEAKDVF  
LGMFLYEYARRHPDYSVLLLRLLAKTYETTLEKCCAAADPHECYAKVFDEFKPLVEEPQNLKQNCLEFE  
QLGEYKFQNALLVRYTKKVPQVSTPTLVEVSRNLGKVGSKCKHPEAKRMPCAEDYLSVVLNQLCVLHEK  
TPVSDRVTKCCTESLVNRRPCFSALEVDETYVPKEFNAETFTFHADICTLSEKERQIKKQATALVELVKHK  
PKATKEQLKAVMDDFAAFVEKCKADDKETCFEEGKKLVAASQAALGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

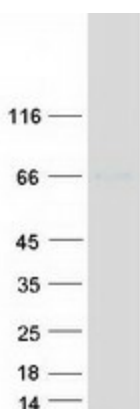
Tag:	C-Myc/DDK
Predicted MW:	67.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_000468</a>
<b>Locus ID:</b>	213
<b>UniProt ID:</b>	<a href="#">P02768</a>
<b>RefSeq Size:</b>	2215
<b>Cytogenetics:</b>	4q13.3
<b>RefSeq ORF:</b>	1827
<b>Synonyms:</b>	FDAHT; HSA; PRO0883; PRO0903; PRO1341
<b>Summary:</b>	This gene encodes the most abundant protein in human blood. This protein functions in the regulation of blood plasma colloid osmotic pressure and acts as a carrier protein for a wide range of endogenous molecules including hormones, fatty acids, and metabolites, as well as exogenous drugs. Additionally, this protein exhibits an esterase-like activity with broad substrate specificity. The encoded preproprotein is proteolytically processed to generate the mature protein. A peptide derived from this protein, EPI-X4, is an endogenous inhibitor of the CXCR4 chemokine receptor. [provided by RefSeq, Jul 2016]
<b>Protein Families:</b>	Secreted Protein

### Product images:



Coomassie blue staining of purified ALB protein (Cat# TP305943). The protein was produced from HEK293T cells transfected with ALB cDNA clone (Cat# [RC205943]) using MegaTran 2.0 (Cat# [TT210002]).