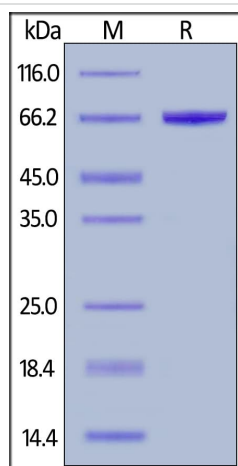


Recombinant Human Serum Albumin protein (His tag) ab217817

1 References 4 图像

描述		
产品名称	重组人Serum Albumin蛋白(His tag)	
纯度	> 95 % SDS-PAGE.	
	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.	
内毒素水平	< 1.000 Eu/μg	
表达系统	HEK 293 cells	
Accession	<u>P02768</u>	
蛋白长度	Full length protein	
无动物成分	No	
性质	Recombinant	
种属	Human	
序列	DAHKSEVAHRFKDLGEENFKALVLIIFAQYLQQCPFEDHVKLVNEVTEFAKTCVADESAENCDKSLHTLFGDKLCTVATLRETYGEMADCCA KQEPERNECFLQHKDDNPNLPRLV RPEVDVMCTAFHDNEETFLKKYLYE IARRHPYFYAPELLFFAKRYKAAFTECCQAADKAACLLPKLDEL RDEGKASAKQRLKCASLQKFGERAFKAWAVARLSQRFPKAEFAEVS KLVTDLT KVHTECCHGDLLECADDRADLAKYICENQDSISSKLKECCEKPLLEKSHCIAE VENDEMPADLPSLAADFVESKDVCKNYAEAKDVFLGMFLYEYARRHPDYS VVLLLRLAKTYETTLEKCCAAADPHECYAKVFDEFKPLVEEPQNL IKQNC ELFEQLGEYKFQNALLVRYTKKVPQVSTPTLVEVSRNLGKVGSKCCKHPE AKRMPCAE DYLSVVLNQLCVLHEKTPVSDRVTKCTESLVNRRPCFSALE VDETYVPKEFNAETFTFHADICTLSEKERQIKKQTALVELVKHKPKATKE QLKAVMDDFAAFVEKCKADDKETCFAEEGKKLVAASQAALGL	
预测分子量	67 kDa including tags	

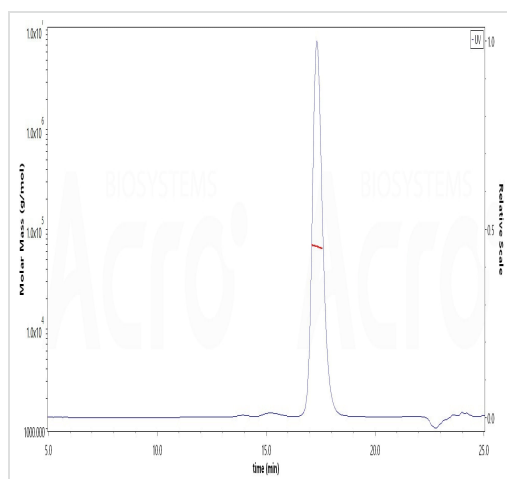
氨基酸	25 to 609
标签	His tag C-Terminus
额外的序列信息	The predicted N-terminus is Asp 25. This product is the mature full length protein from aa 25 to 609. The signal peptide and propeptide are not included (NP_000468).
描述	重组人人Serum Albumin蛋白(His tag)
技术指标	
Our Abpromise guarantee covers the use of ab217817 in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
应用	SDS-PAGE Functional Studies
形式	Lyophilized
制备和贮存	
稳定性和存储	Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle. For long term storage it is recommended to add a carrier protein on reconstitution (0.1% HSA or BSA). pH: 7.40 Constituents: 90% PBS, 10% Trehalose Lyophilised from 0.22 µm filtered solution.
复溶	Reconstitute with sterile deionized water to a concentration of 400 µg/ml.
常规信息	
功能	Serum albumin, the main protein of plasma, has a good binding capacity for water, Ca(2+), Na(+), K(+), fatty acids, hormones, bilirubin and drugs. Its main function is the regulation of the colloidal osmotic pressure of blood. Major zinc transporter in plasma, typically binds about 80% of all plasma zinc.
组织特异性	Plasma.
疾病相关	Defects in ALB are a cause of familial dysalbuminemic hyperthyroxinemia (FDH) [MIM:103600]. FDH is a form of euthyroid hyperthyroxinemia that is due to increased affinity of ALB for T(4). It is the most common cause of inherited euthyroid hyperthyroxinemia in Caucasian population.
序列相似性	Belongs to the ALB/AFP/VDB family. Contains 3 albumin domains.
翻译后修饰	Kenitra variant is partially O-glycosylated at Thr-620. It has two new disulfide bonds Cys-600 to Cys-602 and Cys-601 to Cys-606. Glycated in diabetic patients. Phosphorylation sites are present in the extracellular medium. Acetylated on Lys-223 by acetylsalicylic acid.
细胞定位	Secreted.



SDS-PAGE - Recombinant Human Serum Albumin protein (His tag) (ab217817)

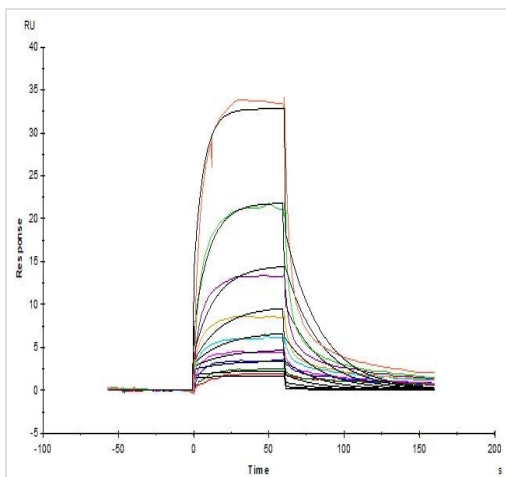
SDS-PAGE analysis of DTT-reduced ab217817 followed by staining overnight with Coomassie Blue.

DTT-reduced protein migrates as 66 kDa in SDS-PAGE due to glycosylation.



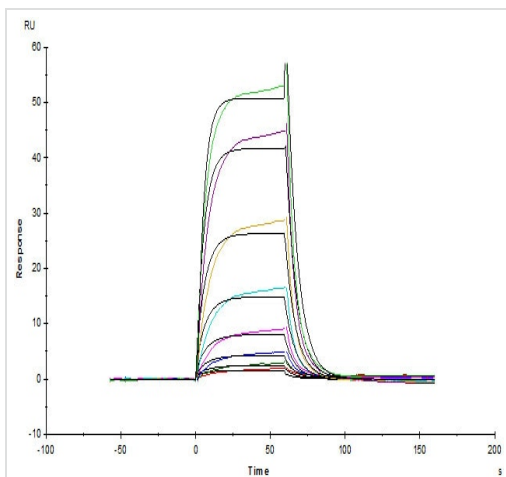
Size Exclusion Chromatography - Recombinant Human Serum Albumin protein (His tag) (ab217817)

The purity of Human Serum Albumin, His Tag (ab217817) is more than 90% and the molecular weight of this protein is around 60-75 kDa verified by SEC-MALS.



Biological Activity - Recombinant Human Serum
Albumin protein (His tag) (ab217817)

Human Serum Albumin Protein, His Tag (ab217817) immobilized on CM4 Chip can bind Human FcγRT&B2M Heterodimer Protein, His Tag with an affinity constant of 0.381 μM as determined in a SPR assay (Biacore T200) (Routinely tested).



Functional Studies - Recombinant Human Serum
Albumin protein (His tag) (ab217817)

Bioactivity SPR: Immobilized biotinylated Human FcRN Heterodimer protein on SA chip can bind ab217817, his tag with an affinity constant of 1.78 μM .

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