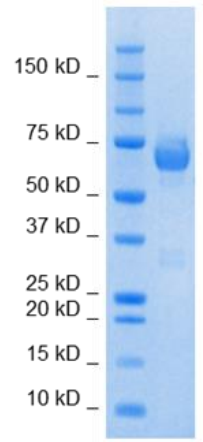


Human Serum Albumin (HSA)

| SIL-HSA protein standard – ¹⁵ N-Uniform labelling | | |
|--|---|---|
| Human Serum Albumin (Uniprot accession number P02768) | | |
| Product Description | <p>HSA protein, the most abundant protein in human blood, 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.</p> <p>HSA protein is expressed in <i>Pichia pastoris</i> without purification tag and purified using proprietary method including affinity, ion exchange and size exclusion chromatography.</p> | |
| Protein sequence | <p>DAHKSEVAHRFKDLGEENFKALVLIIFAQYLQQCPFEDHVKLVNEVTEFAKTCVADESA ENCDKSLHTLFGDKLCTVATLRETYGEMADCCAKQEPERNECFLQHKDDNPMLPRLVR PEVDVMCTAFHDNEETFLKKYLYEIAARRHPYFYAPELLFFAKRYKAAFTECCQAADKAA CLLPKLDEL RDEGKASSAKQRLKCASLQKFGERAFAKAWAVARLSQRFPKAEFAEVS LVTDLTKVHTECCHGDLLECADDRADLAKYICENQDSISSKLKECCEKPLLEKSHCIAEV ENDEMPADLPSLAADFVESKDVCKNYAEAKDVF LGMFLY EYARRHPDY SVVLLRLAK TYETTLKCCAAADPHECYAKVFDEFKPLVEEPQNLIKQNCELFEQLGEYKFNALLVR YTKKVPQVSTPTLVEVSRNLGKVGSKCKHPEAKRMPCAEDYLSVVLNQLCVLHEKTP VSDRVTKCCTESLVNRRPCFSALEVDETYVPKEFNAETFTFHADICTLSEKERQIKKQTA LVELVKHKPKATKEQLKAVMDDFAAFVEKCKADDKETCF AEEGKKLVAASQAALGL</p> | |
| Predicted Molecular Mass | 67 kDa | |
| Expression system | <i>Pichia pastoris</i> | |
| Purity | Greater than 95% as determined by SDS-PAGE analysis |  |
| Labelling | U-15N >99% as determined by LC-MS/MS analysis of trypsin digested SIL-protein standard | |
| Tag information | No Tag | |
| Protein Content | Quantitation is carried out by Bradford protein assay | |
| Formulation | Lyophilized - 20 mM Tris pH7.4, 0.1M NaCl Reconstitute by adding H2O | |
| Shipping and storage | The product is supplied as a lyophilized powder and shipped at room temperature. Store at -20°C upon receipt. After reconstitution, protein can be kept at 4°C for a few weeks. | |
| Usage | The product is for research use only. Not for diagnostic or therapeutic use. | |

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Human Serum Albumin (HSA)

SIL-HSA protein standard – ¹⁵N-Uniform labelling

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