

Recombinant Human Serum Albumin/HSA Protein

Catalog Number: EXRP052

EXREprotein™

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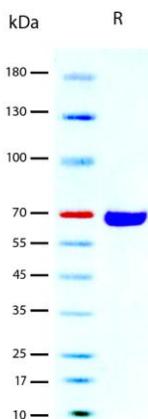
Product Details

Biological Activity	The carrier effect of Recombinant Human Serum Albumin/HSA was determined by enhancement of cell proliferation using TF-1 human cells. Stout, <i>et al.</i> (2022) <i>Commun Biol</i> 5 :466. Cell proliferation in TF-1 human cells was induced in a dose-dependent manner by either Recombinant Human GM-CSF or Recombinant Human IL-3 (Catalog # EXRP037) and demonstrated >25% enhancement in the presence of rHSA.
Purity	>98% by SDS-PAGE and quantitative densitometry by Coomassie® Blue staining
Endotoxin	<0.005 EU per 1 ug of the protein as determined by the LAL method
Source	Expressed in HEK cell line.
Accession Number	NP_000468.1
Sequence	Asp25-Leu609 DAHKSEVAHR FKDLGGEENFK ALVLIAFAQY LQQCPFEDHV KLVNEVTEFA KTCVADESAE NCDKSLHTLF GDKLCTVATL RETYGEMADC CAKQEPERNE CFLQHKKDDNP NLPRLVLRPEV DVMCTAFHDN EETFLKKYLY EIARRHPYFY APELLFFAKR YKAAFTECCQ AADKAAACLLP KLDELDRDEGK ASSAKQRLKC ASLQKFGERA FKAWAVARLS QRFPKAEFAE VSKLVTDLTK VHTECCHGDL LECADDRADL AKYICENQDS ISSKLKECCE KPLLEKSHCI AEVENDEMPA DLPSLAADFV ESKDVCKNYA EAKDVFLGMF LYEYARRHPD YSVVLLRLA KTYETTLEKC CAAADPHECY AKVFDEFKPL VEEPQNLIKQ NCELFEQLGE YKFNALLVR YTKKVPQVST PTLVEVSRNL GKVGSCKCKH PEAKRMPCAE DYLSVVLNQL CVLHEKTPVS DRVTKCCTES LVNRRPCFSA LEVDETYVPK EFNAETTFH ADICTLSEKE RQIKKQTALV ELVKHKPKAT KEQLKAVMDD FAFVEKCK ADDKETCF AE EGKLVAAASQ AALGL
Molecular Weight	66.5 kDa (monomer, predicted) observed on SDS-PAGE gel stained with stained using Coomassie® Blue under reducing conditions

Storage and Preparation

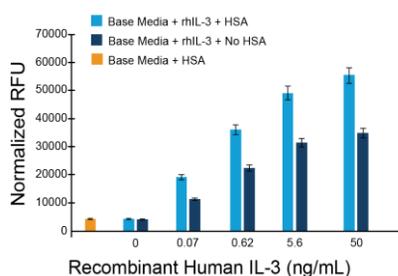
Shipping	Shipped at ambient temperature.
Stability and Storage	<ul style="list-style-type: none">12 months from date of receipt at -20°C to -70°C, lyophilized powder.3 months at -20°C to -70°C under sterile conditions after reconstitution. Avoid repeated freeze-thaw cycles.
Reconstitution	Reconstitute at 1 mg/mL in sterile PBS.

Data Images



Recombinant Human Serum Albumin (2 ug/lane) on SDS-PAGE under reducing (R) conditions. The gel was stained using Coomassie® Blue showing a single band at 66 kDa and purity greater than 98%.

Carrier Effect of Human Serum Albumin



Carrier effect of rHSA is observed in the cell proliferation in TF-1 human cells treated with Recombinant Human IL-3 ([Catalog # EXRP037](#)) in the presence of 25 µg/mL rHSA. The carrier effect due to rHSA does not alter the ED50 in this assay