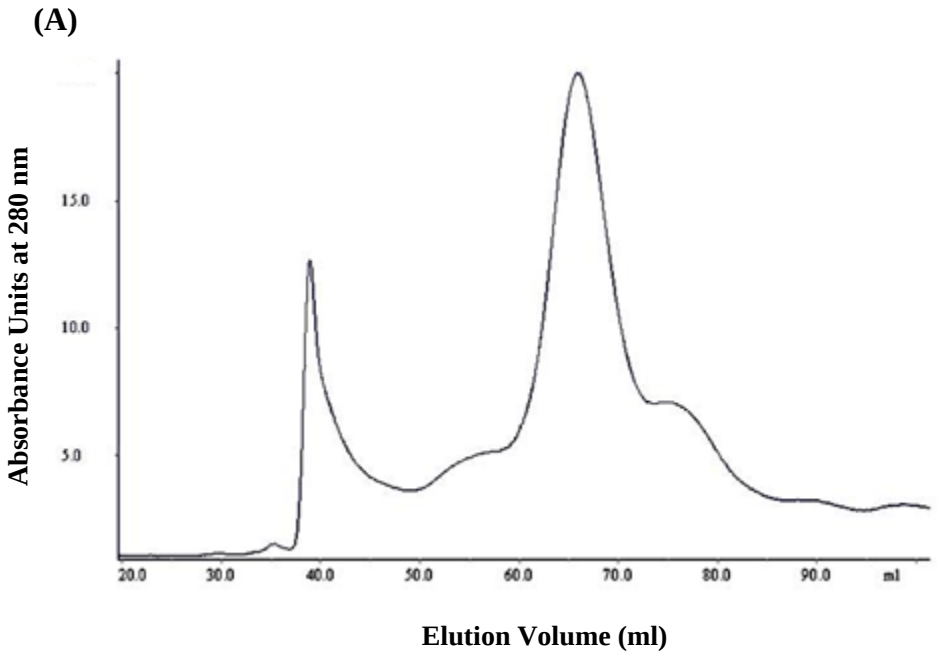
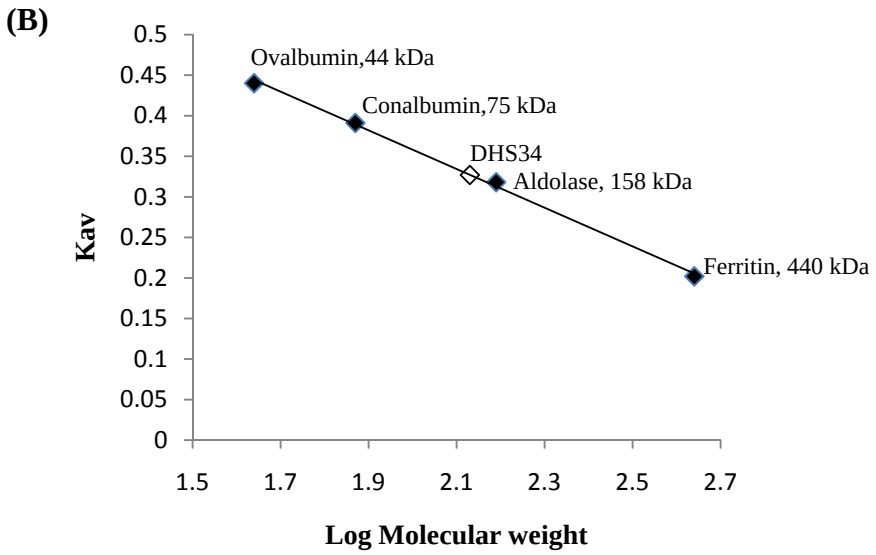
Supplementary Fig. 1





Supplementary Figure Legend

Supplementary Fig. 1. (A) Size Exclusion chromatography of recombinant deoxyhypusine synthase 34 from *L. donovani* on sephacryl S-300 column. Purified protein obtained after Ni-NTA affinity chromatography was concentrated and applied to sephacryl S-300 (1.6 cm x 60 cm) equilibrated with buffer containing 50 mM sodium phosphate buffer pH 7.5, 300 mM NaCl and 15% glycerol.

(B) Determination of the molecular weight of the native deoxyhypusine synthase 34. Purified protein obtained after Ni-NTA affinity chromatography was concentrated and applied to sephacryl S-300 (1.6 cm x 60 cm) equilibrated with buffer containing 50 mM sodium phosphate buffer pH 7.5, 300 mM NaCl and 15% glycerol. The sephacryl S-300 column was calibrated with Ferritin (440 kDa), Aldolase (158 kDa), Conalbumin (75 kDa) and Ovalbumin (44 kDa) (all from Amersham Biosciences) and their elution positions are indicated. The apparent molecular mass of DHS34 native enzyme was determined as ~135kDa. The constant K_{av} is defined as, $K_{av} = (V_e - V_0) / (V_t - V_0)$, where, V_e is the elution volume of the protein, V_0 is the void volume of the column as determined by blue dextran, V_t is the total volume of the column.