

**HUMAN LIV-1 PROTEIN, HIS TAG****Cat.#:** 11547**Product Name:** Human LIV-1 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** LIV1;SLC39A6;ZIP-6**Target:** LIV-1**UNIPROT ID:** Q13433**Description:** Recombinant human LIV-1 Protein with C-terminal 6xHis tag**Background:** Zinc is an essential cofactor for hundreds of enzymes. It is involved in protein, nucleic acid, carbohydrate, and lipid metabolism, as well as in the control of gene transcription, growth, development, and differentiation. SLC39A6 belongs to a subfamily of proteins that show structural characteristics of zinc transporters (Taylor and Nicholson, 2003 [PubMed 12659941]).[supplied by OMIM, Mar 2008]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 34.4 kDa after removal of the signal peptide. The apparent molecular mass of LIV-1-His is approximately 55-70 kDa due to glycosylation.**Molecular Characterization:** LIV-1(Phe29-Trp325) 6xHis tag**Purity:** The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

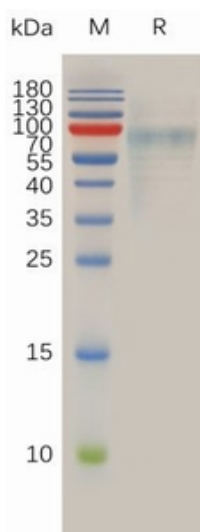


Figure 1. Human LIV-1 Protein, His Tag on SDS-PAGE under reducing condition.

## Human LIV-1, His Tagged protein ELISA

0.2 µg of Human LIV-1, His tagged protein per well

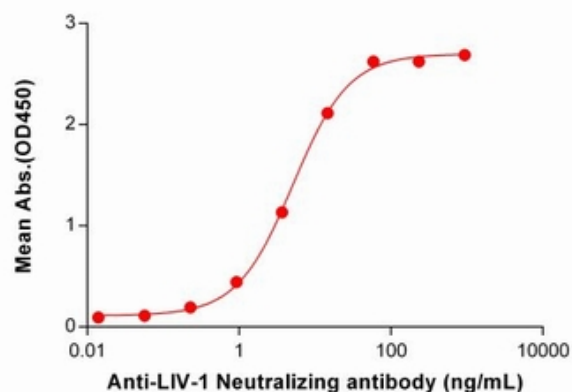


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human LIV-1 Protein, His Tag (11547) can bind Anti-LIV-1 Neutralizing antibody 28111 in a linear range of 0.92-58.59 ng/mL.