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) 6×His 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.

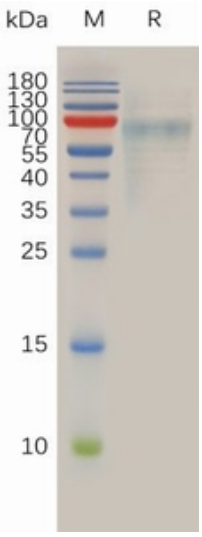

Figure 1. Human LIV-1 Protein, His Tag on SDS-PAGE under reducing condition.

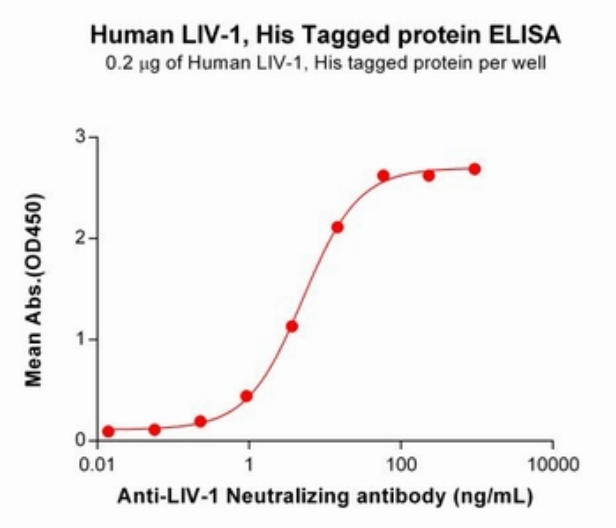

Figure 2. ELISA plate pre-coated by 2 μg/ml (100 μl/well) Human LIV-1 Protein, His Tag (11547) can bind Anti-LIV-1 Neutralizing antibody 28111 in a linear range of 0.92-58.59 ng/mL.