

HUMAN ULBP2 PROTEIN, HIS TAG

Cat.#: 11818

Product Name: Human ULBP2 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: ALCAN-alpha;N2DL2;NKG2DL2;RAET1H;RAET1L

Target: ULBP2

UNIPROT ID: Q9BZM5

Description: Recombinant Human ULBP2 Protein with C-terminal 6xHis tag

Background: This gene encodes a major histocompatibility complex (MHC) class I-related molecule that binds to the NKG2D receptor on natural killer (NK) cells to trigger release of multiple cytokines and chemokines that in turn contribute to the recruitment and activation of NK cells. The encoded protein undergoes further processing to generate the mature protein that is either anchored to membrane via a glycosylphosphatidylinositol moiety, or secreted. Many malignant cells secrete the encoded protein to evade immunosurveillance by NK cells. This gene is located in a cluster of multiple MHC class I-related genes on chromosome 6. [provided by RefSeq, Jul 2015]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 22.5 kDa after removal of the signal peptide. The apparent molecular mass of ULBP2-His is approximately 15-35 kDa due to glycosylation.

Molecular Characterization: ULBP2(Gly26-Ser216) 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 ULBP2 Protein, His Tag on SDS-PAGE under reducing condition.