

HUMAN CD6 PROTEIN, HIS TAG

Cat.#: 11728

Product Name: Human CD6 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: TP120

Target: CD6

UNIPROT ID: P30203

Description: Recombinant human CD6 protein with C-terminal 6xHis tag

Background: This gene encodes a protein found on the outer membrane of T-lymphocytes as well as some other immune cells. The encoded protein contains three scavenger receptor cysteine-rich (SRCR) domains and a binding site for an activated leukocyte cell adhesion molecule. The gene product is important for continuation of T cell activation. This gene may be associated with susceptibility to multiple sclerosis (PMID: 19525953, 21849685). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 41.4 kDa after removal of the signal peptide. The apparent molecular mass of CD6-His is approximately 55-100 kDa due to glycosylation.

Molecular Characterization: CD6(His18-Glu398) 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.

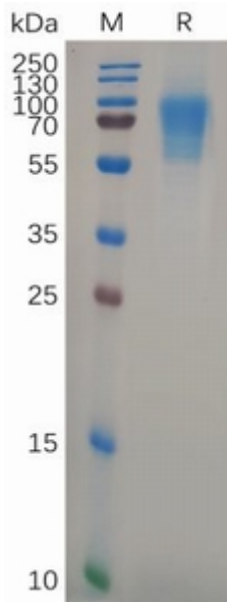


Figure 1. Human CD6 Protein, His Tag on SDS-PAGE under reducing condition.