HUMAN CD55 PROTEIN, HIS TAG

Cat.#: 11861
Product Name: Human CD55 Protein
Size : 10 μg, 50 μg and 100 μg
Synonyms: CHAPLE;CR;CROM;DAF;TC
Target: CD55
UNIPROT ID: P08174
Description: Recombinant Human CD55 Protein with C-terminal 6xHis tag
Background: This gene encodes a glycoprotein involved in the regulation of the complement cascade. Binding of the encoded protein to complement proteins accelerates their decay, thereby disrupting the cascade and preventing damage to host cells. Antigens present on this protein constitute the Cromer blood group system (CROM). Alternative splicing results in multiple transcript variants. The predominant transcript variant encodes a membrane-bound protein, but alternatively spliced transcripts may produce soluble proteins. [provided by RefSeq, Jul 2014]
Species/Host: HEK293
Molecular Weight: The protein has a predicted molecular mass of 35.8 kDa after removal of the signal peptide. The apparent molecular mass of CD55-His is approximately 35-70 kDa due to glycosylation.
Molecular Characterization: CD55(Asp35-Ser353) 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.

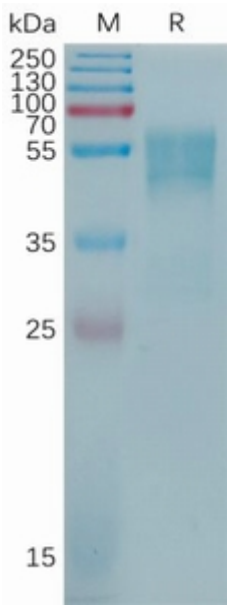

Figure 1. Human CD55 Protein, His Tag on SDS-PAGE under reducing condition.