# HUMAN CD9 PROTEIN, HIS TAG

**Cat.#:** 11628

**Product Name:** Human CD9 Protein

**Size :** 10 µg, 50 µg and 100 µg

**Synonyms:** BTCC-1;DRAP-27;MIC3;MRP-1;TSPAN-29;TSPAN29

**Target:** CD9

**UNIPROT ID:** P21926

**Description:** Recombinant human CD9 protein with C-terminal 6xHis tag

**Background:** This gene encodes a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Tetraspanins are cell surface glycoproteins with four transmembrane domains that form multimeric complexes with other cell surface proteins. The encoded protein functions in many cellular processes including differentiation, adhesion, and signal transduction, and expression of this gene plays a critical role in the suppression of cancer cell motility and metastasis. [provided by RefSeq, Jan 2011]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 10.5 kDa after removal of the signal peptide. The apparent molecular mass of CD9-His is approximately 10-15 kDa due to glycosylation.

**Molecular Characterization:** CD9(Ser112-Ile195) 6×His tag

**Purity:** The purity of the protein is greater than 95% 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.

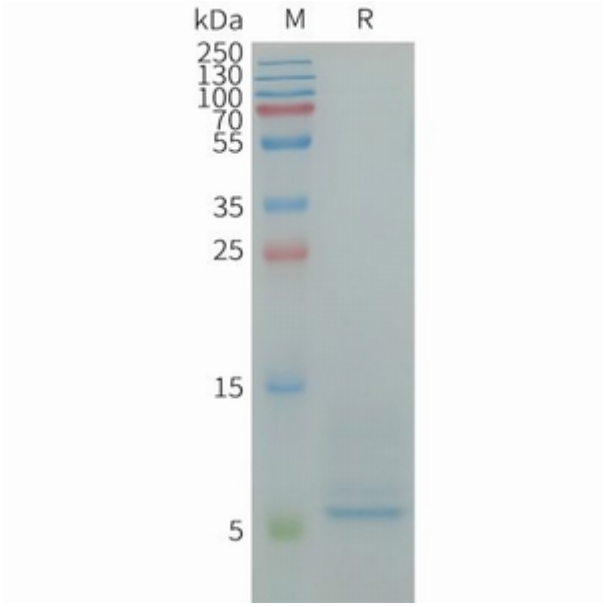


Figure 1. Human CD9 Protein, His Tag on SDS-PAGE under reducing condition.