

HUMAN DAP10 PROTEIN, HFC TAG

Cat.#: 11500

Product Name: Human DAP10 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: HCST;KAP10;PIK3AP

Target: DAP10

UNIPROT ID: Q9UBK5

Description: Recombinant human DAP10 protein with C-terminal human Fc tag

Background: This gene encodes a transmembrane signaling adaptor that contains a YxxM motif in its cytoplasmic domain. The encoded protein may form part of the immune recognition receptor complex with the C-type lectin-like receptor NKG2D. As part of this receptor complex, this protein may activate phosphatidylinositol 3-kinase dependent signaling pathways through its intracytoplasmic YxxM motif. This receptor complex may have a role in cell survival and proliferation by activation of NK and T cell responses. Alternative splicing results in two transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 29.1 kDa after removal of the signal peptide. The apparent molecular mass of DAP10-hFc is approximately 25-55 kDa due to glycosylation.

Molecular Characterization: DAP10(Gln19-Pro48) hFc(Glu99-Ala330)

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.

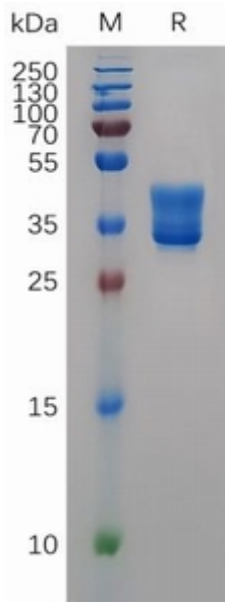


Figure 1. Human DAPI10 Protein, hFc Tag on SDS-PAGE under reducing condition.