

## HUMAN MSMP PROTEIN, HFC TAG

**Cat.#:** 11837

**Product Name:** Human MSMP Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** PSMP

**Target:** MSMP

**UNIPROT ID:** Q1L6U9

**Description:** Recombinant Human MSMP Protein with C-terminal human Fc tag

**Background:** This gene encodes a member of the beta-microseminoprotein family. Members of this protein family contain ten conserved cysteine residues that form intra-molecular disulfide bonds. The encoded protein may play a role in prostate cancer tumorigenesis. [provided by RefSeq, Jan 2011]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 37.3 kDa after removal of the signal peptide. The apparent molecular mass of MSMP-hFc is approximately 35-55 kDa due to glycosylation.

**Molecular Characterization:** MSMP(Ser36-Ser139) 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 MSMP Protein, hFc Tag on SDS-PAGE under reducing condition.