PRODUCT INFORMATION

Target	Mesothelin
Synonyms	CAK1 antigen;Pre-pro-megakaryocyte-potentiating factor;MPF
Description	Recombinant human Mesothelin(37-286) protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	Q13421
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	Mesothelin(Leu37-Arg286) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 27.6 kDa after removal of the signal peptide. The apparent molecular mass of Mesothelin(37-286)-His is approximately 25-35 kDa due to glycosylation.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
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.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μm) prior to use.
Background	This gene encodes a preproprotein that is proteolytically processed to generate two protein products, megakaryocyte potentiating factor and mesothelin. Megakaryocyte potentiating factor functions as a cytokine that can stimulate colony formation of bone marrow megakaryocytes. Mesothelin is a glycosylphosphatidylinositol-anchored cell-surface protein that may function as a cell adhesion protein. This protein is overexpressed in epithelial mesotheliomas, ovarian cancers and in specific squamous cell carcinomas. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed.
Usage	Research use only
Conjugate	Unconjugated

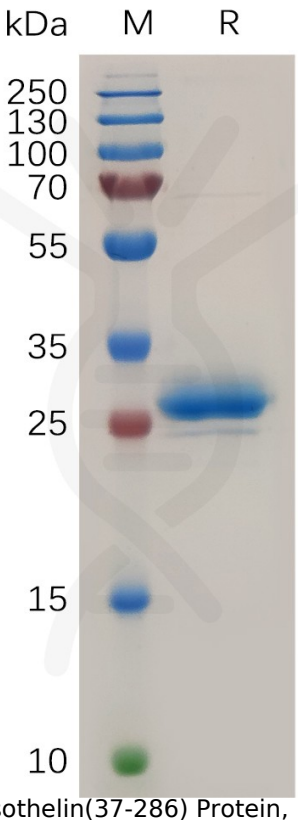

Figure 1. Human Mesothelin(37-286) Protein, His Tag on SDS-PAGE under reducing condition.