

Active Recombinant Human MAP1D protein, His-tagged

Cat. No. MAP1D-2201H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human MAP1D protein(NP_954697.1) (Arg 44-Ala 335) was expressed in Insect Cells, with an initial Met at the N-terminus and a polyhistidine tag at the C-terminus.
Species	Human
Source	Insect Cells
ProteinLength	44-335 aa
Form	Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0.
Bio-activity	Measure by its ability to remove methionine from a fluorogenic peptide substrate H-Met-Gly--AMC. The resulting GP-AMC is cleaved by human DPPIV/CD26. The specific activity is >30 pmoles/min/μg.
Molecular Mass	The secreted recombinant human MAP1D consists of 303 amino acids and predicts a molecular mass of 33.4 kDa. It migrates as an approximately 36 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	> 92 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to

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aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

SDS-PAGE

