

Active Recombinant Human MASP3 protein, His-tagged

Cat. No. MASP3-0376H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MASP3 protein(Ile450-Val721), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	450-721 a.a.
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
Bio-activity	BioactivityMeasured by its ability to cleave a colorimetric peptide substrate, N-carbob enzyloxy-Lys-ThioBenzyl ester (Z-Lys-SBzl), in the presence of 5,5'Dithio-bis (2-nitrob enzoic acid) (DTNB).The specific activity is >7500 pmol/min/g,as measured under the described conditions.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus.The protein has a calculated MW of 31.6 kDa. The protein migrates as 38-45 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Ile450-Val721
Endotoxin	Less than 1.0 EU per µg by the LAL method.

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Purity	>95% as determined by SDS-PAGE.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
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.
GENE INFORMATION	
Official Symbol	MASP3

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