

Active Recombinant *T. maritima* TM0306 Protein, Met & His-tagged

Cat. No. TM0306-791T **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant <i>T. maritima</i> TM0306 (Accession # NP_228118) Ile2-Glu449, fused with an N-terminal Met and 6-His tag, was produced in <i>E. coli</i> .
Species	<i>T.maritima</i>
Source	<i>E.coli</i>
ProteinLength	Ile2-Glu449
Predicted N Terminal	Met
Form	Supplied as a 0.2 µ filtered solution in Tris and NaCl.
Bio-activity	Measured by its ability to cleave a fluorogenic substrate 4-methylumbelliferyl-alpha -L-fucopyranoside. The specific activity is >1,600 pmol/min/µg, as measured under the described conditions. See Activity Assay Protocol on www.RnDSystems.com .
Molecular Mass	Recombinant <i>T. maritima</i> TM0306, Met & His-tagged has a calculated MW of 53 kDa. In SDS-PAGE migrates as 43-50 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 µg per lane.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In

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lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

Reconstitution

Reconstitute at 100 ug/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION

Gene Name TM0306 alpha-L-fucosidase [*Thermotoga maritima* MSB8]

Official Symbol TM0306

Synonyms TM0306; alpha-L-fucosidase

Gene ID 897238

mRNA Refseq

Protein Refseq NP_228118.1

MIM

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