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- Mindermengenzuschlag
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- Expressversand

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Data Sheet

m-TOR/Raptor/MLST8 Complex

Human, recombinant

Catalog #: 40300

Lot#: 200207

Conc.: 0.26 mg/ml

Formulation: 40 mM Tris-HCl pH 8.0, 110 mM NaCl, 2.2 mM KCl, 80 ng/μl, FLAG peptide, 20% glycerol.

Stability: At least 6 months at -80°C. Avoid freeze/thaw cycles.

References:

1. Toral-Barza *et al*; (2005) *Biochem. Biophys. Res. Commun.* **24**; 332(1):304-10.
2. Rubio-Viqueira and Hidalgo, M. (2006) *Adv. Exp. Med. Biol.*, **587**: 309-327.

Description: Complex of human mTOR, also known as FRAP1 (GenBank Accession No. NM_004958), (a.a. 1362-end), with N-terminal FLAG-tag and MW = 137 kDa, human MLST8 with N-terminal His-tag (NM_022372) a.a. 2-326 (end) and MW = 37 kDa, and human Raptor with N-terminal His-tag (NM_020761) a.a. 2-1335 (end) and MW=150 kDa, co-expressed in a Baculovirus-infected Sf9 cell expression system.

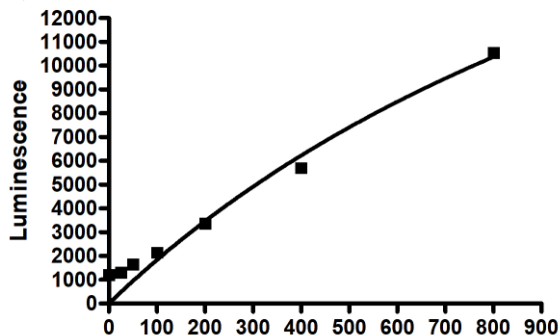
Specific Activity: 6.8 pmol/min/μg.

Assay Conditions: Assay was done using ADP-Glo (Promega) reagents with 100 μM ATP, 0.1 mg/mL 4EBP1 and 5 mM MnCl₂ in 25 μL using kinase buffer (40 mM Tris HCl pH 7.4, 20 mM MgCl₂, 0.1 mg/mL BSA, and 2 mM DTT). Reaction was performed at 30°C for 45 min.

Application: Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

Quality Assurance

Specific Activity



4-20% SDS-PAGE Coomassie staining

Lane 1:

3μg

Lane 2:
Protein Marker

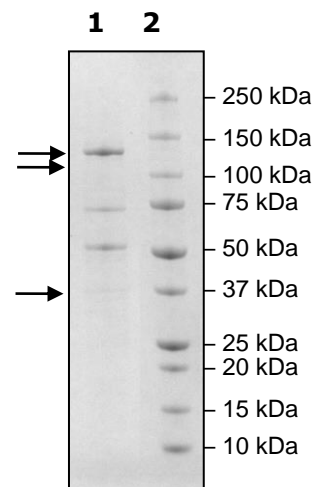
MW:

mTOR: 137 kDa

Raptor: 150 kDa

MLST8: 37 kDa

Purity: ≥58%



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