



11526 Sorrento Valley Rd SteA2  
San Diego Ca 92121  
Tel: 1.858.202.1401  
1.858.829.3082  
Fax: 1.858.259.5734  
Email: [info@bpsbioscience.com](mailto:info@bpsbioscience.com)

## Data Sheet

***mTOR/FRAP1*** (human, recombinant, N-terminal His tag)  
Catalog #: 40061

**Description:** Human mTOR (GenBank Accession No. NM\_004958), (a.a.1361-2549), with N-terminal His-tag, expressed in a Baculovirus infected Sf9 cell expression system. The theoretical MW is 136 kDa.

**Source:** Baculovirus infected Sf9 cells

**Fomulated in:** 25 mM Tris-HCl, pH 8.0, 100 mM NaCl, 0.05% Tween-20, 50% glycerol, 3 mM DTT.

**Stability:** >6 months at -80°C

**Purity:** >30%

**Specific Activity:** xx. The enzyme activity was confirmed using EMD Elisa kit. At 1 ng/ul mTOR, the signal of enzyme reaction can be detected using p70 as a substrate.

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

### References:

1. Toral-Barza et al; (2005) Biochem Biophys Res Commun. 2005 Jun 24;332(1):304-10.
2. Rubio-Viqueira and Hidalgo, M. (2006) Adv Exp Med Biol, 587: p309-327.

Enzyme	Lot	Species	Concentration
mTOR	1005	human	0.1 mg/ml

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