**Data Sheet**

**ULK1, Flag-Tag**

Human, recombinant, N-terminal Flag-tag

**Catalog #:** 40099  
**Lot #:** 150806-B  
**Conc.:** 0.25 mg/ml

**Formulated in:** 25 mM Tris-HCl, pH 7.5, 100 mM NaCl, 0.05% Tween-20, 100 µg/ml FLAG peptide, 20% glycerol and 3 mM DTT.

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

**References:**

**Description:**
Human ULK1, also known as ATG1, UNC51, and hATG1, GenBank Accession No. NM_003565, a.a. 2–1050 (end) with N-terminal Flag-tag, expressed in a HEK293 expression system. MW = 114 kDa

**Specific Activity:** ≥85 pmol/min/µg

**Assay Conditions:** Assay was done in a Kinase buffer using MBP (0.2 mg/ml) as a substrate with 20 µM ATP at 30°C for 60 min. The amount of ATP transferred was calculated using Kinase-Glo reagent (Promega).

**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:** 2 µg ULK1  
**Lane 2:** Protein Marker  

**MW:** 114 kDa  
**Purity:** ≥40%

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