

**Product:** ERK2/MAPK1 Active Enzyme (p42 MAP Kinase), human, recombinant  
**Catalog #:** 12-4350  
**Amount:** 5 µg

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**DESCRIPTION:** Recombinant human ERK2/MAPK1 (rHuERK2) rHuERK2 (extracellular signal-regulated kinase), a Mitogen-Activated Protein Kinase, is a highly active form produced by phosphorylation of the purified ERK2/MAPK1 in vitro with MEK1, is a non-glycosylated polypeptide chain containing amino acids 2-480 and having a molecular mass of 44.6kDa. rHuERK2 contains a amino acid terminal poly His-tag

**SOURCE:** *Escherichia coli*

**PURITY:** > 95%, as determined by SDS-PAGE

**DIMERS AND AGGREGATES:** < 1% as determined by silver-stained SDS PAGE

**UNIT DEFINITION:** 1U = 1pmol/min myelin basic protein at 30°C

**BIOLOGICAL ACTIVITY:** > 370 Units/mg

**FORM:** Purified, in 50 mM TrisHCl, 1 mM DTT, 50% glycerol, pH 8.5

**STORAGE:** -20°C (aliquot), avoid freezing and thawing cycles

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