

Datasheet for 009-001-GR2**ERK2 double mutant hu recomb protein****Overview**

Description:	ERK2 double mutant human recombinant protein - 009-001-GR2
Item No.:	009-001-GR2
Size:	10 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	ERK2 isoform double mutant recombinant protein is modified to put alanine residues at two key activation sites, Threonine 185 and Tyrosine 222. Mitogen activated protein kinase 1, also known as MAPK1, ERK, or ERK2, is an integral component of the MAP kinase cascade that regulates cell growth and differentiation. This pathway also plays a key role in synaptic plasticity in the brain. The inactive double mutant ERK2 recombinant protein is ideal for investigators involved in Neuroscience, Cell Signaling and Cancer Research.
Synonyms:	MAPK1, ERK, ERK-2, ERK2, MAPK2, P42MAPK, PRKM1, PRKM2, ERK-2 recombinant protein
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	MAPK1
Purity/Specificity:	ERK2 double mutant human is a recombinant protein containing a polyhistidine tag expressed in Sf9. Analysis by SDS-PAGE resulted in a pattern consistent with purified ERK2 and was estimated to be greater than 90% pure.
Relevant Links:	• UniProtKB - P28482

Application Details

Application Note:	ERK2 mutant protein is suitable as a negative control protein for immunoassays using antibodies targeting the critical ERK2 phosphorylated T185 or Y187 residues. For western blot use at 50 ng or less. For other assays concentration is user optimized.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	50ng

Formulation

Physical State:	Liquid (sterile filtered)
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. This product is stable at 4° C as an undiluted liquid. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

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