

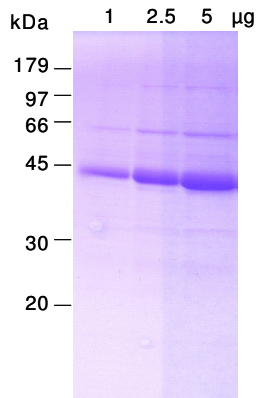
Certificate of Analysis

Product	ERK2 (MAPK1), unactive human recombinant, expressed in E. coli, N-His-fusion protein	
Cat No	PK-016-01	
Lot No	270204	
Description	Purified human recombinant ERK2, expressed in E.coli. Unactive form. Not phosphorylated at Thr204. Can be activated by and serves as substrate for MEK1. Sequence based calculated M.W. 44,556 Approved HUGO gene symbol: MAPK1 Synonyms: extracellular signal regulated kinase 2, ERK, ERK2, p41 ^{mapk} , p42 ^{MAPK} , p38, MAPK2, PRKM1, PRKM2	
Quality	Protein concentration (Bradford with BSA as standard)	0.56 mg/ml
	Purity	> 90 % by SDS PAGE
	Specific activity (* 1 Unit is defined as 1 picomole phosphate transferred to myelin basic protein per min at 30 °C)	< 100 Units*/ mg
	Protease activity (Twining test)	none
Form	Liquid. In 50 mM Tris-HCl, 150 mM NaCl, 1 mM DTT, 50 % glycerol, pH 8.5.	
Package size	10 microgram	
Storage condition	-70 °C	
Shipment conditions	dry ice	

Material for in vitro research use only. Not for pharmaceutical or drug application. Material does not contain any animal products such as albumin.

AVOID FREEZE/THAW CYCLES

SDS-PAGE analysis



Amino acid sequence information

M30 corresponds to M1 of M84489

MRGSHHHHHH	TDPHASSVPR	VDLQGPAANM	AAAAAAGAGP	EMVRGQVFDV	50
GPRYTNLSYI	GEGAYGMVCS	AYDNVNKVRV	AIKKISPFEH	QTYCQRTLRE	100
IKILLRFRHE	NIIGINDIIR	APTIEQMKDV	YIVQDLMETD	LYKLLKTQHL	150
SNDHICYFLY	QILRGLKYIH	SANVLHRDLK	PSNLLLNTTC	DLKICDFGLA	200
RVADPDHDHT	GFLTEYVATR	WYRAPEIMLN	SKGYTKSIDI	WSVGCILAEM	250
LSNRPIFFPGK	HYLDQLNHIL	GILGSPSQED	LNCIINLKAR	NYLLSLPHKN	300
KVPWNRLFPN	ADSKALDLLD	KMLTFNPHKR	IEVEQALAHF	YLEQYYDPSD	350
EPIAEAPFKF	DMELDDLPE	KLKELIFEET	ARFQPGYRS		388