

Recombinant Human MAPKAPK5 cell lysate

Cat. No. MAPKAPK5-432HCL **Lot. No.** (See product label)

SPECIFICATION

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|--------------------------------|---|
| Product Overview | Human MAPKAPK5 derived in Baculovirus-Insect cells. The whole cell lysate is provided in 1X Sample Buffer. Browse all transfected cell lysate positive controls |
| Species | Human |
| Source | Insect Cells |
| Preparation method | Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation and then centrifuged to clarify the lysate. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized. |
| Lysis buffer | Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF |
| Quality control Testing | 12.5% SDS-PAGE Stained with Coomassie Blue |
| Recommended Usage | 1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube. 2. Re-dissolve the pellet using 200µL pure water and boiled for 2-5 min. 3. Store it at -80°C. Recommend to aliquot the cell lysate into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles. Notes: The lysate is ready to load on SDS-PAGE for Western blot application. If dissociating conditions are required, add |

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reducing agent prior to heating.

Stability

Samples are stable for up to twelve months from date of receipt at -80°C

Storage Buffer

50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF

Storage Instruction

Lysate samples are stable for 12 months from date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

GENE INFORMATION

Gene Name

MAPKAPK5 mitogen-activated protein kinase-activated protein kinase 5 [Homo sapiens]

Official Symbol

MAPKAPK5

Synonyms

MAPKAPK5; mitogen-activated protein kinase-activated protein kinase 5; MAP kinase-activated protein kinase 5; PRAK; MAPKAPK-5; MAPKAP kinase 5; MAPK-activated protein kinase 5; p38-regulated/activated protein kinase; MK5; MK-5; MAPKAP-K5;

Gene ID

8550

mRNA Refseq

NM_003668

Protein Refseq

NP_003659

MIM

606723

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| UniProt ID | Q8IW41 |
| Chromosome Location | 12q24.13 |
| Pathway | MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem; Signaling mediated by p38-alpha and p38-beta, organism-specific biosystem; p38 MAPK Signaling Pathway, organism-specific biosystem; |
| Function | ATP binding; MAP kinase kinase activity; nucleotide binding; p53 binding; protein binding; protein serine/threonine kinase activity; |

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