

PAK2

Recombinant Human PAK2 Active GST-His

| | | | |
|------------------------------|---|------------------|-------|
| Catalog No. | CRP032 | Quantity: | 50 µg |
| Alternate Names: | PAK65, PAKgamma, S6/H4 kinase, p21 (CDKN1A)-activated kinase 2, p21-activated kinase 2 | | |
| Description: | Human PAK2, Amino acids D ₃ -R ₅₂₄ (as in GenBank entry NM_002577)*, N-terminally fused to GST-HIS ₆ -Thrombin cleavage site *Sequence may contain documented polymorphisms Detailed sequence on request. | | |
| Concentration: | 0.403 µg/µl | | |
| Gene ID: | 5058 | | |
| Protein Accession No: | NM_002577 | | |
| Source: | Baculovirus infected Sf9 cells | | |
| Molecular Weight: | Theoretical MW _{Fusion Protein} : 87,954 Da | | |
| Formulation: | 50 mM Tris-HCl + pH 8.0 + 100 mM NaCl + 5 mM DTT + 15 mM reduced glutathione, 20% glycerol | | |
| Purification: | One-step affinity purification using GSH-agarose | | |
| Product Identity: | PAK2 was confirmed as PAK2 by specific Western Blotting using anti PAK2 antibody | | |
| Specific Activity: | 228 pmol/µg×min | | |

Method for determination of K_m value and specific activity:

• Assay conditions:

60 mM HEPES-NaOH, pH 7.5

3 mM MgCl₂

3 mM MnCl₂

3 µM Na-orthovanadate

1.2 mM DTT

2.5 µg / 50 µl PEG_{20,000}

ATP (variable)

Substrate: Tetra(LRRWSLG), 5 µg / 50 µl

Recombinant PAK2: 50 ng / 50 µl

• Filter binding assay

MAPH membrane (Millipore)

Storage & Stability: Store in working aliquots at -80°C. **Avoid repeated freeze-thaw cycles.**

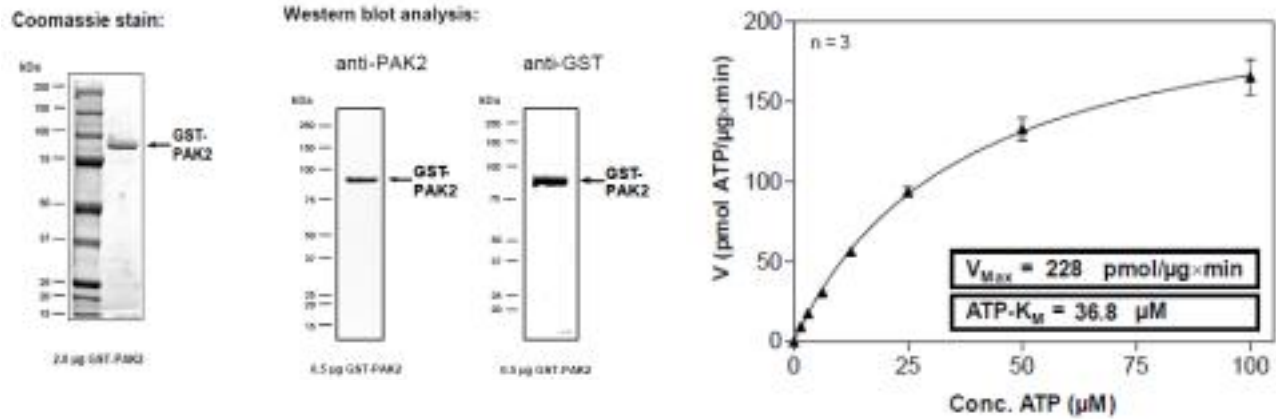


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Determination of K_m value for ATP:



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