

AURKC

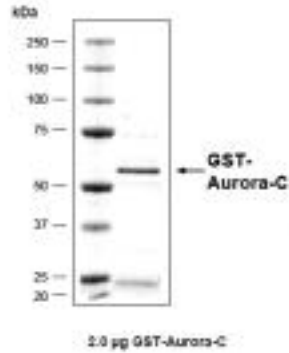
Recombinant Human Aurora Kinase C (aa 1-275) Active GST-His

| | | | |
|------------------------------|---|------------------|-------|
| Catalog No. | CRA022A | Quantity: | 10 µg |
| Alternate Names: | AIE2, AIK3, AurC, STK13, aurora-C, aurora/IPL1-related kinase 3, aurora/IPL1/EG2 protein 2, serine/threonine kinase 13 aurora/IPL1-like) | | |
| Description: | Human Aurora-C Amino acids M ₁ -S ₂₇₅ (as in GenBank entry NM_003160)*, N-terminally fused to GST-HIS ₆ -Thrombin cleavage site *Sequence may contain documented polymorphisms Detailed sequence on request | | |
| Concentration: | 0.116 µg/µl | | |
| Gene ID: | 6795 | | |
| Protein Accession No: | NM_003160 | | |
| Source: | Baculovirus infected Sf9 cells | | |
| Molecular Weight: | 58,480 Da | | |
| Formulation: | 50 mM Tris-HCl + pH 8.0 + 100 mM NaCl + 5 mM DTT + 4 mM reduced glutathione, 20% glycerol | | |
| Purification: | One-step affinity purification using GSH-agarose | | |
| Product Identity: | Aurora-C, was confirmed as Aurora-C by mass spectroscopy LC-ESI-MS/MS | | |
| Specific Activity: | 4 pmol/µg×min Method for determination of K _m value and specific activity: Assay conditions: 60 mM HEPES-NaOH, pH 7.5 3 mM MgCl ₂ 3 mM MnCl ₂ 3 µM Na-orthovanadate 1.2 mM DTT 2.5 µg / 50 µl PEG _{20,000} ATP (variable) Substrate: R ₁₁ -CDC25C-derived Peptide, (R ₁₁ -SDELMDATFADQEAK), 5 µg / 50 µl Recombinant Aurora-C: 200 ng / 50 µl • Filter binding assay: MSPH membrane (Millipore) | | |

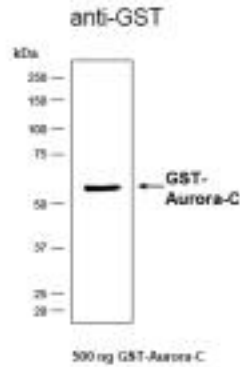


Storage & Stability: Store in working aliquots at -80°C. **Avoid repeated freeze-thaw cycles.**

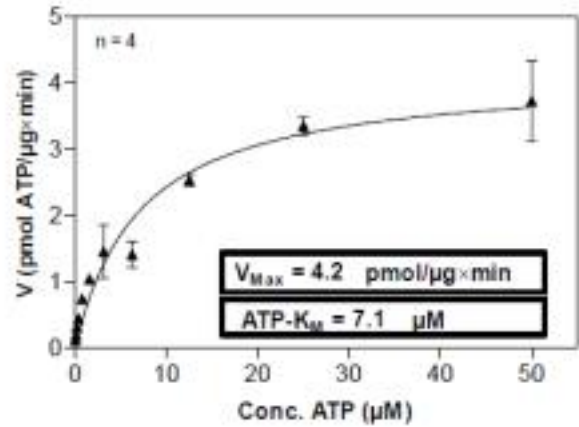
Coomassie stain:



Western blot analysis:



Determination of K_m value for ATP:



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