

Product datasheet for PH323981

STK39 (NM_013233) Human Mass Spec Standard

Product data:

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|---------------------------------------|---|
| Product Type: | Mass Spec Standards |
| Description: | STK39 MS Standard C13 and N15-labeled recombinant protein (NP_037365) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC223981 |
| Predicted MW: | 59.3 kDa |
| Protein Sequence: | >RC223981 representing NM_013233 Red=Cloning site Green=Tags(s) |

MAEPSGSPVHVQLPQQAAPVTAATAAATAAPAPAAPAPAPAPAAQAVGWPICRDAYELQEV
IGSGATAVVQAALCKPRQERVAIKRINLEKQTSMDLELKEIQAMSQCSPNVVYYTSFVVKDELWLM
KLLSGGSMLDIKYYVNRGEHKNGLVLEEAIATILKEVLEGLDYLHRNGQIHRDLKAGNILLGEDGSVQI
ADFGVSAFLATGGDVTRNKVRKTFVGTPCWMAPEVMEQVRGYDFKADMWSFGITAEIATGAAPYHKYPP
MKVLMMLTLQNDPPTLETGVEDKEMMKYGKSFRKLLSLCLQKDPSCRPTAAELLKCKFFQKAKNREYLIE
KLLTRTPDIAQRAKKVRRVPGSSGHLHKTEDGDWEWSDDEMDEKSEEGKAAFQSEKSRVKEENPEIAVS
ASTIPEQIQSLSVHDSQGPPNANEDYREASSCAVNLVLRRLNSRKELNDIRFEFTPGRDTADGVSQELFS
AGLVDGHDVVIVAANLQKIVDDPKALKTLTFKLASGCDGSEIPDEVKLGFAQLSVS

SGPTRRRLEQKLI SEEDLAANDILDYKDDDDKV

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| Tag: | C-Myc/DDK |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Labeling Method: | Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3 |
| Storage: | Store at -80°C. Avoid repeated freeze-thaw cycles. |
| Stability: | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| RefSeq: | NP_037365 |
| RefSeq Size: | 3293 |
| RefSeq ORF: | 1641 |



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Synonyms: DCHT; PASK; SPAK

Locus ID: 27347

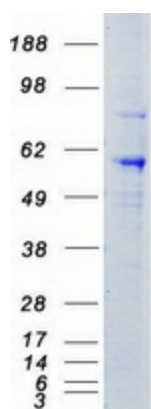
UniProt ID: [Q9UEW8](#)

Cytogenetics: 2q24.3

Summary: This gene encodes a serine/threonine kinase that is thought to function in the cellular stress response pathway. The kinase is activated in response to hypotonic stress, leading to phosphorylation of several cation-chloride-coupled cotransporters. The catalytically active kinase specifically activates the p38 MAP kinase pathway, and its interaction with p38 decreases upon cellular stress, suggesting that this kinase may serve as an intermediate in the response to cellular stress. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Protein Kinase

Product images:



Coomassie blue staining of purified STK39 protein (Cat# [TP323981]). The protein was produced from HEK293T cells transfected with STK39 cDNA clone (Cat# [RC223981]) using MegaTran 2.0 (Cat# [TT210002]).