

## Recombinant Human CSNK1A1 protein, His-tagged

**Cat. No.** CSNK1A1-2745H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CSNK1A1 protein(P48729)(2-337aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 2-337aa                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Form</b>             | <p>If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.</p> <p>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.</p>                                                                                                                                     |
| <b>Molecular Mass</b>   | 42.8 kDa                                                                                                                                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | <p>ASSSGSKAEFIVGGKYKLVRKIGSGSFGDIYLAINITNGEEVAVKLESQKARHPQLLYE<br/> SKLYKILQGGVGIPHIRWYGQEKDYNVLVMDLLGPSLEDLFNFCSRFTMKTVLMLA<br/> DQMISRIEYVHTKNFIHRDIKPDNFLMGIGRHCNKLFLIDFGLAKKYRDNRTQRHIPYR<br/> EDKNLTGTARYASINAHLGIEQSRRDDMESLGYVLMYFNRTSLPWQGLKAATKKQK<br/> YEKISEKKMSTPVEVLCKGFPAEFAMYLNYCRGLRFEEAPDYMRLRQLFRILFRTLN<br/> HQYDYTFDWTMLKQKAAQQAASSSGQGQQAQTPTGKQTDKTKSNMKGF</p> |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                          |

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|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                |
| <b>Reconstitution</b> | Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. |

## GENE INFORMATION

|                        |                                                                                                                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CSNK1A1 casein kinase 1, alpha 1 [ Homo sapiens ]                                                                                                                                          |
| <b>Official Symbol</b> | CSNK1A1                                                                                                                                                                                    |
| <b>Synonyms</b>        | CSNK1A1; casein kinase 1, alpha 1; casein kinase I isoform alpha; CK1; CK1a; CK1alpha; CK1a; CK1alpha; clock regulator kinase; CKI-alpha; down-regulated in lung cancer; HLCDGP1; PRO2975; |
| <b>Gene ID</b>         | 1452                                                                                                                                                                                       |
| <b>mRNA Refseq</b>     | NM_001025105                                                                                                                                                                               |
| <b>Protein Refseq</b>  | NP_001020276                                                                                                                                                                               |
| <b>MIM</b>             | 600505                                                                                                                                                                                     |
| <b>UniProt ID</b>      | P48729                                                                                                                                                                                     |

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