

## Recombinant Human PIAS2 Protein, His-tagged

Cat. No. PIAS2-326H Lot. No. (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant Human PIAS2, transcript variant beta, fused with His tag at N-terminal was expressed in E. coli.   |
| <b>Species</b>          | Human  |
| <b>Source</b>           | E.coli   |
| <b>Description</b>      | <p>This gene encodes a member of the protein inhibitor of activated STAT (PIAS) family. PIAS proteins function as SUMO E3 ligases and play important roles in many cellular processes by mediating the sumoylation of target proteins. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. Isoforms of the encoded protein enhance the sumoylation of specific target proteins including the p53 tumor suppressor protein, c-Jun, and the androgen receptor. A pseudogene of this gene is located on the short arm of chromosome 4. The symbol MIZ1 has also been associated with ZBTB17 which is a different gene located on chromosome 1.</p> |
| <b>Form</b>             | 25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl.   |
| <b>Molecular Mass</b>   | 68.1 kDa   |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method   |

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**GENE INFORMATION**

|                        |  |
|------------------------|--|
| <b>Gene Name</b>       | PIAS2 protein inhibitor of activated STAT, 2 [ Homo sapiens ]  |
| <b>Official Symbol</b> | PIAS2  |
| <b>Synonyms</b>        | PIAS2; protein inhibitor of activated STAT, 2; E3 SUMO-protein ligase PIAS2; miz; PIASX ALPHA; PIASX BETA; zinc finger; MIZ type containing 4; ZMIZ4; DAB2-interacting protein; zinc finger, MIZ-type containing 4; msx-interacting zinc finger protein; protein inhibitor of activated STAT X; androgen receptor-interacting protein 3; DIP; MIZ; MIZ1; SIZ2; ARIP3; PIASX; PIASX-BETA; PIASX-ALPHA; MGC102682; |
| <b>Gene ID</b>         | 9063   |
| <b>mRNA Refseq</b>     | NM_004671  |
| <b>Protein Refseq</b>  | NP_004662  |
| <b>MIM</b>             | 603567   |
| <b>UniProt ID</b>      | O75928   |

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