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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

PIAS1 (Human) Recombinant Protein (P01)

Catalog Number: H00008554-P01

Regulation Status: For research use only (RUO)

Product Description: Human PIAS1 full-length ORF (NP_057250.1, 1 a.a. - 651 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MADSAELKQMVMMLRVSELVLLGYAGRNKHGRKHE
LLTKALHLLKAGCSPAVQMKIKELYRRRFPQKIMTPAD
LSIPNVHSSPMPATLSPSTIPQLTYDGHPASSPLLPVSL
LGPKHELELPHLTSALHPVHPDIKLQKLPFYDLLDELIK
PTSLASDNSQRFRETCFALTPQQVQISSMDSIGT
KCDFTVQVQLRFLSETSCPDHFPNLCVKVNTKP
CSLPGYLPPTKNGVEPKRSPRINITSLVRLSTTVPNTI
VVSWEAEIGRNYSMAYVLVKLSSTVLLQRLRAKGIRN
PDHSRALIKEKLTADPDSEIATTSRVSLLCPLGKMRLT
IPCRALTCSHLQCFDATLYIQMNEKKPTWVCPVCDKK
APYEHLIIDGLFMEILKYCTDCDEIQFKEDGTWAPMRS
KKEVQEVASASYNGVDGCLSSSTLEHQVASHHQSSNKN
KKVEVIDLTDSSSDEEEEEPSAKRTCPSPSPTSPLNNK
GILSLPHQASPVSRTPSLPAVDTSYINTSLIQDYRHPFH
MTPMPYDLQGLDFPFLSGDNQHYNTSLLAAAAAASV
DDQDLLHSSRFFPYTSSQMFLDQLSAGGSTSLPTTNG
SSSGSNSSLVSSNSLRESHSTVTNRSSDTASIFGIIP
DIISLD

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 98.2

Interspecies Antigen Sequence: Mouse (98)

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 8554

Gene Symbol: PIAS1

Gene Alias: DDXBP1, GBP, GU/RH-II, MGC141878, MGC141879, ZMIZ3

Gene Summary: This gene encodes a member of the mammalian PIAS [protein inhibitor of activated STAT-1 (signal transducer and activator of transcription-1)] family. This member contains a putative zinc-binding motif and a highly acidic region. It inhibits STAT1-mediated gene activation and the DNA binding activity, binds to Gu protein/RNA helicase II/DEAD box polypeptide 21, and interacts with androgen receptor (AR). It functions in testis as a nuclear receptor transcriptional coregulator and may have a role in AR initiation and maintenance of spermatogenesis. [provided by RefSeq]

References:

1. CREB SUMOylation by the E3 Ligase PIAS1 Enhances Spatial Memory. Chen YC, Hsu WL, Ma YL, Tai DJ, Lee EH J Neurosci. 2014 Jul 16;34(29):9574-89. doi: 10.1523/JNEUROSCI.4302-13.2014.