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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

NSD2

Human, recombinant, N-terminal GST tag
 Catalog #: 51026
 Lot#: 130516 Conc.: 0.5 mg/ml

Formulated in 50 mM Tris-HCl, pH 8.5,
 300 mM NaCl, 5 mM DTT, 10 mM
 Glutathione, and 10% Glycerol.

Stability: >6 months at -80°C

References:

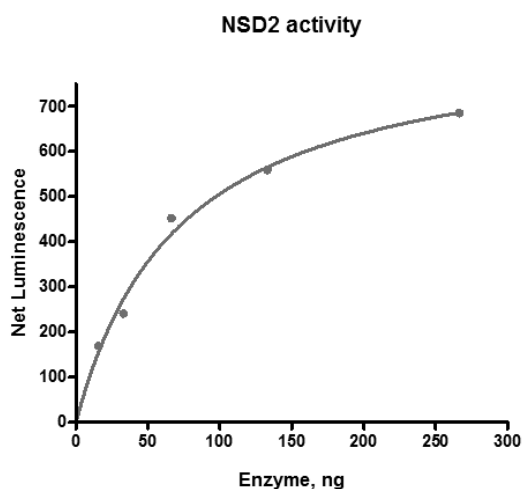
1. Kassambara A. *et al.*, *Biochem. Biophys. Res. Commun.* **379** (4), 840-845 (2009).
2. Brito J.L. *et al.*, *Haematologica* **94** (1), 78-86 (2009).

Description: Human NSD2, also known as MMSET and WHSC1, (GenBank Accession No. NM_133330), amino-acids 941-1240 with N-terminal GST tag, MW = 62 kDa, expressed in *E. coli*.

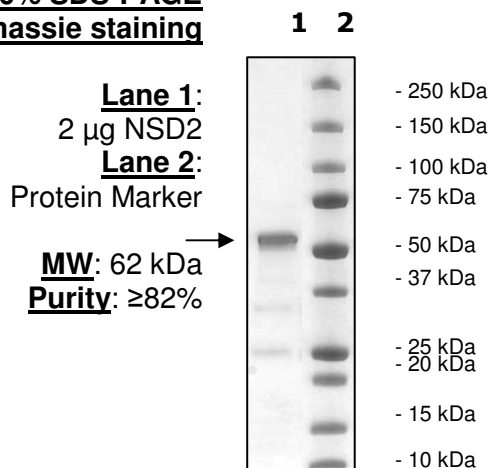
Specific Activity: 0.036 pmol/min/μg
Assay Conditions: Add 50 μl reaction mix (100 μM S-adenosylmethionine, and 50-250 ng NSD2 in HMT buffer 7 (BPS #52193)) to wells coated with the substrate. Incubate at 37°C for 2 hr. Add antibody against methylated K36 residue of histone H3, incubate 1 hr. Then, add secondary HRP-labeled antibody and incubate 30 min. Finally, add HRP chemiluminescent substrates and read luminescence.

Application: Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

Quality Assurance



**4-20% SDS-PAGE
 Coomassie staining**



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Amino acid sequence:

MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPYYIDGD
VKLTQSMARIYIADKHNMLGGCPKERAEISMLEGAVLDIRYGVSRAYSKDFETLKVDFLSK
LPEMLKMFEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDAFPKLVCFKKRIEAI
PQIDKYLKSSKYIAWPLQGQWQATFGGGDHPPKSDLEVLFGPLGSEGDRGSRYYQGVIRGIG
RVFKNALQEAEARFREIKLQREARETQESERKPPPYKHIKVNKPYGKVQIYTADISEIPKC
NCKPTDENPCGFDSECLNRMLMFECHPQVCPAGEFCQNQCFTKRQYPETKIIKTDGKGW
GLVAKRDIRKGEFVNEYVGELIDEEECMARIKHAHENDITHFYMLTIDKRIIDAGPKGNYS
RFMNHSCQPNCETLKWTVNGDTRVGLFAVCDIPAGTELTFNYNLDCLGNEKTVCRGAS
NCSGFLGDRPKTSTTLSSSEKGGKTKKKTRRRRAKGEGRQSED

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