

Data Sheet

A20 (TNFAIP3)

Human, recombinant, N-terminal FLAG-tag,
C-terminal His-tag

Catalog #: w90419

Lot #: 131003-G **Conc.:** 0.49 mg/ml

Formulated in: 40 mM Tris-HCl, pH 8.0,
110 mM NaCl, 2.2 mM KCl, 0.04% Tween-
20, 3 mM DTT, and 20% glycerol

Stability: >6 months at -80°C . Avoid
freeze/thaw cycles.

References:

1. Shi CS, Kehrl JH. (2010). *Autophagy* **6(7)**:986-7.
2. Tavares, R.M., et al. (2010). *Immunity* **33(2)**:181-9.
3. Hymowitz, S.G., Wertz, I.E. (2010). *Nat. Rev. Cancer* **10(5)**:332-41.

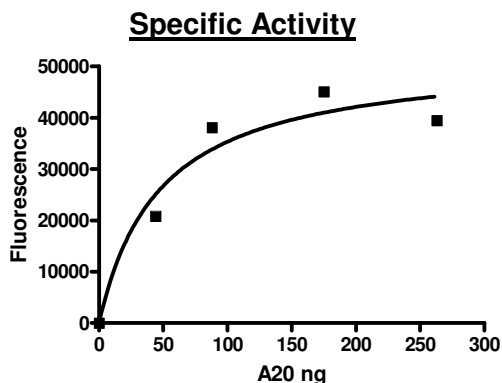
Description: Human A20, also known as tumor necrosis factor- α induced protein 3 (TNFAIP3) or OTU domain-containing protein 7C (OTUD7C), GenBank Accession No. NM_006290, amino-acids 2-790(end) with an N-terminal FLAG-tag and C-terminal His-tag, MW=91 kDa, expressed in Sf9 insect cells via a baculovirus expression system.

Specific Activity: 0.766 pmol/min/ μg

Assay conditions: Reaction was performed in 50 mM Tris pH 7.4, 1 mM DTT, 0.5 mM EDTA, 500 nM Ub-AMC, and various amount of A20 in a volume of 50 μL . Reaction was incubated at 37°C for 30 min and fluorescent signal was measured at excitation of 360 nm, and emission at 460 nm.

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

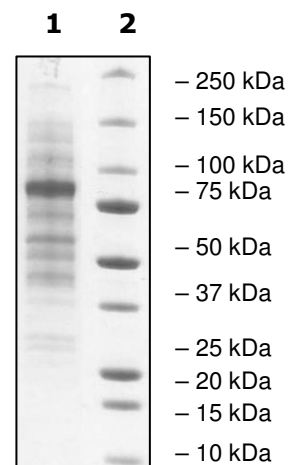
Quality Assurance



4-20% SDS-PAGE Coomassie staining

Lane 1:
3 μg A20
Lane 2:
Protein Marker

MW: 91 kDa
Purity: $\geq 55\%$



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Sequence:

MDYKDDDDKAEQVLPQALYLSNMRKAVKIRERTPEDIFKPTNGIIHHFKTMHRYTLEM
FRTCQFCPQFREIIHKALIDRNIQATLESQKKLNWCREVRKLVALKTNMGDGNCLMHAT
SQYMWGVQDSDLVLRKALFSTLKETDTRNFKFRWQLESLSQEFVETGLCYDTRNW
NDEWDNLIKMASTDTPMARSGLQYNSLEEIHIFVLCNILRRPIIVISDKMLRSLESGSNF
APLKVGGIYLPPLHWPQAQECYRYPIVLGYDSHHFVPLVTLKDSGPEIRAVPLVNRDRGR
FEDLKVHFLTDPENEMKEKLLKEYLMVIEIPVQGWHDGTTHLINAAKLDEANLPKEINL
VDDYFELVQHEYKKWQENSEQGRREGHAQNPMEPSVPQLSLMDVKCETPNCPFFM
SVNTQPLCHECSERRQKNQNKLPKLNSKPGPEGLPGMALGASRGEAYEPLAWNPE
ESTGGPHSAPPTAPSPFLFSETTAMKCRSPGCPFTLVQHNGFCERCHNARQLHAS
HAPDHTRHLDPGKCQACLQDVTRTFNGICSTCFKRTTAEASSSLSTSLPPSCHQRSK
SDPSRLVRSPSPHSCHRAGNDAPAGCLSQAARTPGDRTGTSKCRKAGCVYFGTPEN
KGFCTLCFIEYRENKHFAAASGKVSPTASRFQNTIPCLGRECGTLGSTMFEGYCQKC
FIEAQNQRFHEAKRTEEQRLRSSQRRDVPRTTQSTSRPKCARASCKNILACRSEELCM
ECQHPNQRMGPGAHRGEPAPEDPPKQRCRAPACDHFGNAKCNGYCNECFQFKQM
YGHHHHHH

Red: FLAG-tag

Blue: His-tag

Black: A20 (a.a. 2-790(end))

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