Recombinant human FUS2/NAA80 protein

Catalog Number: ATGP0285

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-308aa

UniProt No.
Q93015

NCBI Accession No.
NP_036323

Alternative Names
Protein fus 2, Protein fusion-2, FuS-2, NAT6, N acetyltransferase 6

PRODUCT SPECIFICATION

Molecular Weight
35.9 kDa (328aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM MES buffer (pH 5.0) containing 150mM NaCl, 30% glycerol

Purity
> 95% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
N-acetyltransferase, also known as FuS2 (NAT6), is an enzyme that catalyzes the transfer of acetyl groups from acetyl-CoA to acrylamines. This enzyme is physically localized in the cytoplasm and its activity has been documented by its feasibility to acetylate the N-terminus of proteins using a ping-pong-like mechanism and by its substrate specificity. Since the Fus-2 gene maps to the chromosomal region 3p21. 3, which contains at least one tumor suppressor gene, the N-acetyltransferase functions of Fus-2 may be relevant to its potential role in cancer. Recombinant human N-acetyltransferase 6 protein, fused to His-tag at N-terminus, was expressed in E.

coli and purified by using conventional chromatography.

Amino acid Sequence

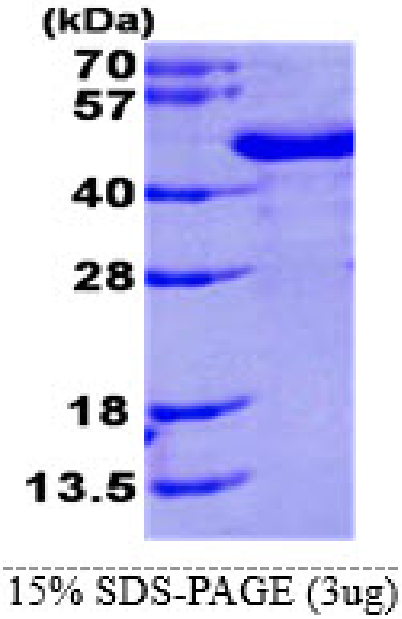
<MGSSHHHHHH SSGLVPRGSH> MQELTLSPGP AKLTPTLDPT HRMELILSTS PAELTLDPAC QPKLPLDSTC QPEMTFNPGP TELTLDPEHQ PEETPAPSLA ELTLEPVHRR PELLDACADL INDQWPRSRT SRLHSLGQSS DAFPLCLMLL SPHPTLEAAP VVVGHARLSR VLNQPQSLLV ETVVVARALR GRGFGRRLME GLEVFARARG FRKLHLTTHD QVHFYTHLGY QLGEPVQGLV FTSRRLPATL LNAFPTAPSP RPPRKAPNLT AQAAPRGPKG PPLPPPPPLP ECLTISPPVP SGPPSKSLLE TQYQNVRGRP IFWMEKDI

General References

Zegerman P., et al. (2000). Oncogene. 19(1):161-3.
Gatphayak K., et al. (2004). Gene. 337:105-11

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.