

## Recombinant NAA15 / NAA10 Complex

**Catalog No:** 82178, 82778

**Expressed In:** Baculovirus

**Quantity:** 20, 1000 µg

**Source:** Human

**Buffer Contents:** Recombinant NAA15 / NAA10 Complex is supplied in 25 mM HEPES pH 7.5, 300 mM NaCl, 20% glycerol, 0.04% Triton X-100, 0.5 mM TCEP.

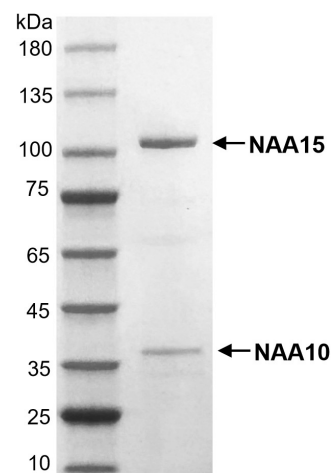
**Background:** Recombinant human **NAA15 / NAA10** complex, also known as the NatA (N-terminal acetyltransferase A) complex, is a heterodimeric enzyme composed of the NAA15 auxiliary subunit (also called NARG1, NATH, GA19, or Tbdn100) and the **NAA15 / NAA10** catalytic subunit (also known as ARD1, hARD1, or TE2). This recombinant complex, typically co-expressed in systems such as E. coli or insect cells, retains its native function as the major eukaryotic N-terminal acetyltransferase, catalyzing the transfer of an acetyl group from acetyl-CoA to the alpha-amino group of nascent polypeptides—a co-translational modification that is essential for protein stability, complex formation, and normal cellular function. Within the complex, NAA15 acts as a scaffold that binds to the ribosome and stabilizes the catalytic NAA10 subunit, while NAA10 performs the enzymatic acetylation of target proteins, including those involved in vascular, hematopoietic, and neuronal growth and development, and regulates key substrates such as HIF1A and TSC2 to influence cellular signaling and homeostasis.

**Protein Details:** Recombinant NAA15 / NAA10 Complex that includes full length human NAA15 protein (accession number NP\_001397771.1) with an N-terminal FLAG tag and full length human NAA10 protein (accession number NP\_003482.1) with an N-terminal His tag was expressed in Hi5 cells. The molecular weights of NAA15 and NAA10 are 102.47 kDa and 29.55 kDa, respectively.

**Application Notes:** This product was manufactured as described in Protein Details. Where possible, Active Motif has developed functional or activity assays for recombinant proteins. Additional characterization such as enzyme kinetic activity assays, inhibitor screening or other biological activity assays may not have been performed for every product. All available data for this product is shown.

**Storage and Guarantee:** Recombinant proteins in solution are temperature sensitive and must be stored at -80°C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage. This product is for research use only and is not for use in diagnostic procedures. This product is guaranteed for 6 months from date of arrival.

### NAA15 / NAA10 Complex



### Recombinant NAA15/NAA10 protein gel

4-20% SDS-PAGE gel  
MW: NAA15: 102.47 kDa  
NAA10: 29.55 kDa  
Purity: >95%