

Product datasheet

Recombinant Human IKAP protein ab160072

1 Image

Overview

Product name Recombinant Human IKAP protein
Protein length Protein fragment

Description

Nature Recombinant
Source Wheat germ

Amino Acid Sequence

Species Human
Sequence VLFLFEFDEQGRELQKAFEDTLQLMERSLPEWTLTYQQNSATPVLGPNS
TANSIMASYQQQKTSVPVLD AELFIPPKINRRTQWKLSLL
Amino acids 1242 to 1331
Tags proprietary tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab160072** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications Western blot
ELISA
Form Liquid
Additional notes Protein concentration is above or equal to 0.05 mg/ml.

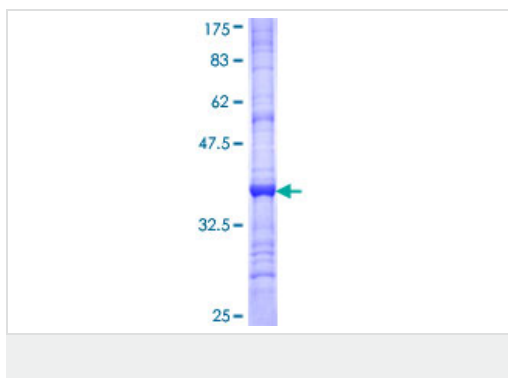
Preparation and Storage

Stability and Storage Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
pH: 8.00
Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function	<p>May act as a scaffold protein that may assemble active IKK-MAP3K14 complexes (IKKA, IKKB and MAP3K14/NIK).</p> <p>Acts as subunit of the RNA polymerase II elongator complex, which is a histone acetyltransferase component of the RNA polymerase II (Pol II) holoenzyme and is involved in transcriptional elongation. Elongator may play a role in chromatin remodeling and is involved in acetylation of histones H3 and probably H4.</p>
Involvement in disease	<p>Defects in IKBKAP are the cause of hereditary sensory and autonomic neuropathy type 3 (HSAN3) [MIM:223900]; also known as Riley-Day syndrome or familial dysautonomia (FD). This autosomal recessive disorder is due to the poor development and survival, and progressive degeneration of the sensory, sympathetic and parasympathetic neurons. HSAN3 individuals are affected with a variety of symptoms such as decreased sensitivity to pain and temperature, cardiovascular instability, recurrent pneumonias, vomiting crises, and gastrointestinal dysfunction. It is primarily confined to individuals of Ashkenazi Jewish descent, with an incidence of 1/3'600 live births.</p>
Sequence similarities	<p>Belongs to the ELP1/IKA1 family.</p>
Cellular localization	<p>Cytoplasm. Nucleus.</p>

Images



ab160072 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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