9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-2606: NIT2 Recombinant Protein

Alternative Name : Nitrilase homolog 2,Nitrilase family member 2,omega-amidase NIT2,MGC111199,Nit protein 2,EC 3.5.1.3.

Description

Source : Escherichia Coli. NIT2 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 299 amino acids (1-276a.a.) and having a molecular mass of 33kDa.NIT2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. NIT2 is a member of the nitrilase superfamily. NIT2 protein has an omega-amidase activity which removes potentially toxic intermediates by converting alpha-ketoglutaramate and alpha-ketosuccinamate to biologically useful alpha-ketoglutarate and oxaloacetate, respectively. In addition, Nit2 is widely distributed in nature and is thought to be a tumor suppressor protein.

Product Info

Amount :	10 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	The NIT2 protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH 8.0) 1mM DTT, 0.1M NaCl, and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.For long term it is recommended to add a carrier protein (0.1% HSA or BSA).Please avoid freeze thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMTSFRLA LIQLQISSIK SDNVTRACSF IREAATQGAK IVSLPECFNS PYGAKYFPEY AEKIPGESTQ KLSEVAKECS IYLIGGSIPE EDAGKLYNTC AVFGPDGTLL AKYRKIHLFD IDVPGKITFQ ESKTLSPGDS FSTFDTPYCR VGLGICYDMR FAELAQIYAQ RGCQLLVYPG AFNLTTGPAH WELLQRSRAV DNQVYVATAS PARDDKASYV AWGHSTVVNP WGEVLAKAGT EEAIVYSDID LKKLAEIRQQ IPVFRQKRSD LYAVEMKKP

For Research Use Only. Not for use in diagnostic/therapeutics procedures.