

## Nitrilase Family Member 2 Human Recombinant

<b>Item Number</b>	rAP-1368
<b>Synonyms</b>	Nitrilase homolog 2, Nitrilase family member 2, omega-amidase NIT2, MGC111199, Nit protein 2, EC 3.5.1.3.
<b>Description</b>	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.
<b>Uniprot Accesion Number</b>	Q9NQR4
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSMTSFLA LIQLQISSIK SDNVTRACSF IREAATQGAK IVSLPECFNS PYGAKYFPEY AEKIPGESTQ KLSEVAKECS IYLGIGSIPE EDAGKLYNTC AVFGPDGTLL AKYRKIHLFD IDVPGKITFQ ESKTLSPGDS FSTFDTPYCR VGLGICYDMR FAELAQIYAQ RGCQLLVYPG AFNLTTGPAH WELLQRSRAV DNQVYVATAS PARDDKASYV AWGHSTVVNP WGEVLAKAGT EEAIVYSDID LKKLAEIRQQ IPVFRQKRSD LYAVEMKKP
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered clear solution. 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 storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.
<b>Formulation and Purity</b>	The NIT2 protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH 8.0) 1mM DTT, 0.1M NaCl, and 10% glycerol. Greater than 95% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**