

Nitrilase Family Member 2 Human Recombinant

Item Number	rAP-1368
Synonyms	Nitrilase homolog 2, Nitrilase family member 2, omega-amidase NIT2, MGC111199, Nit protein 2, EC 3.5.1.3.
Description	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.
Uniprot Accession Number	Q9NQR4
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGSMTSFRLA LIQLQISSIK SDNVTRACSF IREAATQGAK IVSLPECFNS PYGAKYFPEY AEKIPGESTQ KLSEVAKECS IYLIGGSIFE EDAGKLYNTC AVFGPDGTLT AKYRKIHLFD IDVPGKITFQ ESKTLSPGDS FSTFDTPYCR VGLGICYDMR FAELAQIYAG RGCQLLVYPG AFNLTTGPAH WELLQRSRAV DNQVYVATAS PARDDKASYV AWGHSTVVNP WGEVLAKAGT EEAIVYSDID LKKLAEIRQQ IPVFRQKRSD LYAVEMKKP
Source	Escherichia Coli.
Physical Appearance and Stability	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.
Formulation and Purity	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.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	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**