

Tryptophanyl-tRNA Synthetase Human Recombinant

Item Number	rAP-1868
Synonyms	GAMMA-2, IFI53, IFP53, WRS, WARS, TrpRS, hWRS, EC=6.1.1.2, Tryptophanyl-tRNA synthetase, Interferon-induced protein 53, Tryptophan--tRNA ligase, GAMMA-2.
Description	WARS Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 491 amino acids (1-471 a.a.) and having a molecular mass of 55.3 kDa. The WARS is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.
Uniprot Accession Number	P23381
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MPNSEPASLL ELFNSIATQG ELVRSCLKAGN ASKDEIDSAV KMLVSLK- MSY KAAAGEDYKA DCPGPNPAPT SNHGPDTEA EEDFVDPWTV QTSSAKGIDY DKLIVRFGSS KIDKELINRI ERATGQRPHH FLRRGIFFSH RDMNQVLDAY ENKKPFYLYT GRGPSSEAMH VGHLIPFIFT KWLQDVFNVP LVIQMTDDEK YLWKDLTLDQ AYSYAVENAK DIIACGFDIN KTFIFSDLDY MGMSSGFYKN VVKIQKHVTF NQVKGIFGFT DSDCIGKISF PAIQAAPSFS NSFPQIFRDR TDIQCLIPCA IDQDPYFRMT RDVAPRIGYP KPALLHSTFF PALQGAQTKM SASDPNSSIF LTDTAKQIKT KVNKHAFSGG RDTIEEHRQF GGNCVDVVSF MYLTFLEDD DKLEQIRKDY TSGAMLTGEL KKA- LIEVLQP LIAEHQARRK EVTDEIVKEF MTPRKLSDFD Q.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless 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). Avoid multiple freeze-thaw cycles.
Formulation and Purity	1mg/ml solution containing 20mM Tris-HCl pH-8, 1mM DTT, 0.1M NaCl, 1mM DTT & 10% glycerol. Greater than 90.0% 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**