

32-2929: WARS Recombinant Protein

Alternative Name : 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

Source : Escherichia Coli. 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. WARS is part of the class I tRNA synthetase family. 2 types of tryptophanyl tRNA synthetase exist, a cytoplasmic form, called WARS, and a mitochondrial form, called WARS2. WARS catalyzes the aminoacylation of tRNA(trp) with tryptophan and is induced by interferon. WARS controls ERK, Akt, and eNOS activation pathways that are related with angiogenesis, cytoskeletal reorganization and shear stress-responsive gene expression.

Product Info

Amount : 25 µg
Purification : Greater than 90.0% as determined by SDS-PAGE.
Content : 1mg/ml solution containing 20mM Tris-HCl pH-8, 1mM DTT, 0.1M NaCl, 1mM DTT & 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 storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid : MGSSHHHHHH SGLVPRGSH MPNSEPASLL ELFNSIATQG ELVRSKAGN ASKDEIDSAV KMLVSLKMSY KAAAGEDYKA DCPGPNPAPT SNHGPDTEA EEDFVDPWTV QTSSAKGIDY DKLIVRFGSS KIDKELINRI ERATGQRPHH FLRRGIFFSH RDMNQVLDAY ENKKPFYLYT GRGPSSEAMH VGHLPFIFT KWLQDVFNVP LVIQMTDDEK YLWKDLTLDQ AYSYAVENAK DIIACGFDIN KTFIFSDLDY MGMSSGFYKN VVKIQKHVTF NQVKGIFGFT DSDCIGKISF PAIQAAPSFS NSFPQIFRDR TDIQCLIPCA IDQDPYFRMT RDVAPRIGYP KPALLHSTFF PALQGAQTKM SASDPNSSIF LTDTAKQIKT KVNKHAFSGG RDTIEEHRQF GGNCDDVDVSF MYLTFLEDD DKLEQIRKDY TSGAMLTGEL KKALIEVLQP LIAEHQARRK EVTDEIVKEF MTPRKLSFDF Q.