

32-4012: IMPACT Recombinant Protein

Alternative Name : RWDD5, Protein IMPACT, Imprinted and ancient gene protein homolog, IMPACT.

Description

Source : Escherichia Coli. IMPACT Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 343 amino acids (1-320 a.a.) and having a molecular mass of 38.9kDa. IMPACT is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Impact RWD Domain Protein (IMPACT) is a member of the IMPACT family which is comprised of 1 RWD domain. IMPACT is a translational regulator which certifies constant high levels of translation under amino acid starvation. IMPACT interacts with GCN1/GCN1L1, thus preventing activation of GCN2 protein kinases (EIF2AK1 to 4) and subsequent down-regulation of protein synthesis. IMPACT is highly expressed especially in brain.

Product Info

Amount :	20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	IMPACT protein solution (1mg/ml) contains 20mM Tris-HCl buffer, (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.
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 SSSLVPRGSH MGSM AEGDAG SDQRQNEEIE AMAAIYGEEW CVIDDCAKIF CIRISDDIDD PKWTLCLQVM LPNEYPGTAP PIYQLNAPWL KGQERADLSN SLEEIYIQNI GESILYLWVE KIRDVLIQKS QMTEPGPDVK KKTEEEDVEC EDDLILACQP ESSVKALDFD ISETRTEVEV EELPPIDHGI PITDRRSTFQ AHLAPVVCVK QVKMVLKLY ENKKIASATH NIYAYRIYCE DKQTFLQDCE DDGETAAGGR LLHLMEILNV KNMVMVVSrw YGGILLGPDR FKHINNCARN ILVEKNYTNS PEESKALGK NKKVRKDKKR NEH.

