

Recombinant Human Threonine--tRNA ligase, mitochondrial(TARS2),partial

Catalog No: #AP70827

Package Size: #AP70827-1 20ug #AP70827-2 100ug #AP70827-3 1mg

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Description

Product Name	Recombinant Human Threonine--tRNA ligase, mitochondrial(TARS2),partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:369-718aaSequence Info:Partial
Other Names	Threonyl-tRNA synthetase ;ThrRSThreonyl-tRNA synthetase-like 1
Accession No.	Q9BW92
Calculated MW	55.3 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	EHYQEDMFAVQPPGSDRPPSSQSDSTRHITDTLALKPMNCPAHCLMFAHRPRSWRELPLRLADFGALHRA EASGGLGGLTRLRCFQQDDAHIFCTTDQLEAEIQSCLDFLRVYAVLGFSFRLALSTRPSGFLGDPCLWDQAE QVLKQALKEFGEPWDLNSGDGAFYGPKIDVHLHDALGRPHQCGTIQLDFQLPLRFDLQYKGQAGALERPVLIH RAVLGSVERLLGVLAESCGGKWPLWLSPFQVVVIPVGSEQEEYAKEAQQSLRAAGLVSDLDADSGTLSTRRI RRAQLAHYNFQFVVGQKEQSKRTVNIRTRDNRRRLGEWDLPEAVQRLVELQNTRVPNAEEIF
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

References

VARS2 and TARS2 mutations in patients with mitochondrial encephalomyopathies.Diodato D., Melchionda L., Haack T.B., Dallabona C., Baruffini E., Donnini C., Granata T., Ragona F., Balestri P., Margollicci M., Lamantea E., Nasca A., Powell C.A., Minczuk M., Strom T.M., Meitinger T., Prokisch H., Lamperti C., Zeviani M., Ghezzi D.Hum. Mutat. 35:983-989(2014) Research Topic:Epigenetics and Nuclear Signaling

Note: This product is for in vitro research use only and is not intended for use in humans or animals.