

Recombinant mouse Tryptophan 2,3-dioxygenase

Catalog No: #AP72808



Package Size: #AP72808-1 20ug #AP72808-2 100ug #AP72808-3 1mg

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Description

Product Name	Recombinant mouse Tryptophan 2,3-dioxygenase
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-406aaSequence Info:Full Length
Other Names	Tryptamin 2,3-dioxygenase
Accession No.	P48776
Uniprot	P48776
GenID	56720;
Calculated MW	49.8 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MSGCPFAGNSVGYTLKNVSMEDNEEDRAQTGVNRASKGGLIYGNYLQLEKILNAQELQSEVKGNKIHDEHLFI ITHQAYELWFKQILWELDSVREIFQNGHVRDERNMLKVIARMHRVVVIFKLLVQQFSVLETMTALDFNDFREYL SPASGFQSLQFRLLLENKIGVLQSLRVPYNRKHYRDNFGGDYNELLLKSEQEQTLLQLVEAWLERTPGLEPNGF NFWGKFEKNILKGLEEEFLRIQAKTDSEEKEEQMAEFRKQKEVLLCLFDEKRHDYLLSKGERRLSYRALQGAL MIYFYREEPRFQVPFQLLTSLMDIDTLMTKWRYNHVCMVHRMLGTGKAGTGGSSGYHYLRSTVSDRYKVFVDL FNLSTYLVPRHWVPKMNPIIHKFLYTAEYSDSSYFSSDESD
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.

Background

Incorporates oxygen into the indole moiety of tryptophan. Has a broad specificity towards tryptamine and derivatives including D- and L-tryptophan, 5-hydroxytryptophan and serotonin .

References

Novoradovsky A., Goldman D. Lineage-specific biology revealed by a finished genome assembly of the mouse.Church D.M., Goodstadt L., Hillier L.W., Zody M.C., Goldstein S., She X., Bult C.J., Agarwala R., Cherry J.L., DiCuccio M., Hlavina W., Kapustin Y., Meric P., Maglott D., Birtle Z., Marques A.C., Graves T., Zhou S. , Teague B., Potamiosis K., Churas C., Place M., Herschleb J., Runnheim R., Forrest D., Amos-Landgraf J., Schwartz D.C., Cheng Z., Lindblad-Toh K., Eichler E.E., Ponting C.P.PLoS Biol. 7:E1000112-E1000112(2009)Research Topic:Others

Note: This product is for in vitro research use only